

PCHAPTER I

BRIEF HISTORY

SOCIO – ECONOMIC/ ECOLOGICAL PROFILECY 2023
MANGALDAN, PANGASINAN

1.1 ETYMOLOGY

There are four (4) versions as to how Mangaldan got its name. The first version relates that one day a Spanish missionary inquired from one inhabitant about the name of the place in the Spanish language. Thinking that the missionary was asking for water, the inhabitant replied “MANGA-ALAY-ADAN”, which means “Adan is fetching”.



The second version states that Mangaldan got its name from the first native chief of the town named “BABALDAN”. The third version says that just at the middle of the plaza was a big mango tree laden with fruits. It was

customary that anyone of the town’s inhabitants was free to gather the fruits but it resulted with quarreling themselves. The meaning of the quarrel in the dialect is ‘MAN-NGA-NGAL-NGALAN’. Of these versions, anyone of them seems to justify the legendary origin of the name and therefore, “MANGA-ALAY-ADAN”, “BABALDAN” and “MAN-NGA-NGAL-NGALAN” when stated in plain word gave rise to “MANGALDAN”.

The fourth version of how Mangaldan got its name is attributed to Fr. Raymundo Suarez, OP. In his more than a century year old manuscript “ApuntesCureosos de Pangasinan”, it was stated that “MANGALDAN” was derived from the root word “ALAR” or “ALAD” which is interposed between the particles “MANG” and “AN”. In the Pangasinan dialect, “ALAR” or “ALAD” signifies a fence made of bamboo or of any similar material. However, the word is syncopated by suppressing the penultimate “A” and what remains alone is “MANGALDAN”.

Mangaldan existed as a ranch in its beginning and the presence of bamboo fences in the place would have given rise to the town’s appellation which accordingly justifies Fr. Suarez’s version. (The preceding etymology of the name

of Mangaldan was taken from Rev. Fr. Rafael Magno's Historical Retrospect on the Town of Mangaldan, Pangasinan, 1600-1898).

1.2 CREATION OF THE MUNICIPALITY

Mangaldan was formerly a cattle ranch. It gradually became populated by emigrants who divided the ranch among themselves. It was an encomienda in 1591. Its early settlers were noted for their looms, salakots and campilans.

During the Spanish colonial administration, both civil and ecclesiastical communities were established. Secular administration was carried out through a hierarchy headed by the Governor-General and below him the Alcalde Mayor (governor) of every province, and the

Gobernadorcillo (petty governor or municipal mayor) of every town. Ecclesiastical authority was exercised by the Archbishop of Manila at the apex and the bishoprics and parishes scattered all over the islands. The parishes were manned by priests or friars representing the five religious orders then participating in the evangelization of the Philippines.

The administration of the towns was left almost entirely in the hands of the friars. Civil authorities in Manila could not provide enough Spaniards to serve as Municipal Mayors so the friars often served concurrently as parish priest and Mayor. Central government authorities were interested on towns only as a source of tax revenue, tributes and conscripted labor.

Mangaldan displays a characteristic morphology of a typical town which the Spaniards established out of their mission fields or oversized villages which included a central plaza. On one side, of the plaza, stood the Catholic church, and, on another, the municipal hall. A few large residences owned by wealthy families, a market place, rectangular residential blocks where the native principalia and other landowners resided made up the urban area called Poblacion. Encircling this Zone which consisted of dispersed houses belonging to the landless tenants constituted the rural hinterland. The rural dwellers were advised by Spanish law to reside near the church due to the importance of the church in the lives of the people.

The town of Mangaldan is one of the oldest towns in the province of Pangasinan. Historical documents relate that it was actually the third parish (after Binalatongan and Calasiao) founded by the Dominican Missionaries. The founding of Mangaldan as a parish was attributed to Fr. Juan Sto. Domingo, although the exact date, remains uncertain. It could be deduced, however, from historical documents that it was founded in June, 1600 when Mangaldan was accepted as a new parish in the vicariate of the Dominican Provincial Chapter. Placed under the patronage of one of the Dominican Order's greatest glories St.

Thomas Aquinas, it became one of the Archdiocese’s most important parishes. It became the first Vatican Parish in the province in 1947 when one of its former parish priests, Fr. Juan C. Sison was appointed by then Pope Pious XII as the titular bishop of Limata and auxiliary bishop of the Archdiocese of Nueva Segovia.

1.3 BRIEF HISTORIES OF THE THIRTY BARANGAYS

➤ **ALITAYA**

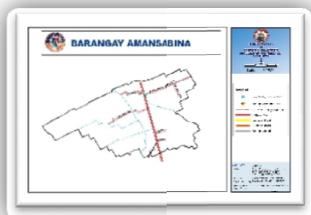


There are two versions as to the naming of this barrio.

First version: There was a sitio in the barrio called Perlan which was the center of pot makers in the whole town. The best shop was Aling Taya’s. Aling Taya molded quality pots demanded by even the most sophisticated kitchenware buyers in those days. Not long thereafter, the natives wanted a name to call their place. They used the name of Aling Taya. Soon enough, the name stuck but due to the slip and wear of the native tongue, they shortened the word to just plain Alitaya.

Second version: In those days, this barrio had no school. The nearest school was in Gueguesangen which was about two kilometers away. So the children of the barrio had to walk that distance every school day. As a result, schoolchildren often came late for their classes. Concerned barrio talks would say “A-lit aya” which means that the child is already late. Soon enough, the words became a byword, and it was even used to name the place.

➤ **AMANSABINA**



There was a widow, who, due to sudden death of her husband, had to bear the burden of rearing her children. She had to fit into the roles of both a mother and a father. After several years, this woman became more masculine than feminine. Her name was Sabina.

Sabina could outdo any man in any physical prowess contest. Thus, when she died the barrio folks named their place Sabina. Not long thereafter, the barrio folks realized that they should emphasize the role of Sabina when she was still alive. Thus, they prefixed the word Ama meaning father to her name Sabina. Then the place was finally named Amansabina.

➤ **ANOLID**



A sturdy tree used to abound in the forested area of this old barrio. The wood of the tree was hard and fine that the barrio folks found it a perfect material for building their houses. This tree called “Anolir” perhaps held a special meaning to the barrio folks, that they named the place Anolir. Difficulty in pronouncing the last syllable converted this word into Anolid. Thus, the place was known as Anolid.

➤ **BANAOANG**



Before the turn of the century, the Spanish embarked on a massive digging of canals for irrigation purposes. Mangaldan was then one of the few irrigated areas in the province. In this barrio, extension canals were built. Canal means Banaoang in the dialect. Perhaps, due to the presence of these canals, the barrio folks began calling their place Banaoang.

➤ **BANTAYAN**



There used to be a body of water which ran through Bantayan, Talogtog and finally to the sea. It was a river, deep and wide enough to afford perfect navigation.

In those days, Chinese junk dealers used to sail to this place to barter for the goods of the natives. Bantayan then was a sort of trading center. The arrival of these Chinese junks was eagerly anticipated and in order that the natives would not be caught unaware of their arrival, they maintained a vigil even at night. Thus, vigil which means Bantay and the suffix, “an” to denote a place, was made to be the name of this trading center, Bantayan. Eventually, it became the official name of the barangay.

➤ **BARI**



Bari (Bari of old) was a wilderness. Big trees and mounds abound, which the old folks believed to be inhabited by unseen creatures. It was the belief that if you disturbed or disrespected these creatures, you would get sick, so if you

passed by their habitat, you must ask their permission. The natives had to say “bari-bari, paliis kid tan bai, laki, ta siak so apo yon dili”. The sentence was long and surely the natives could not say the whole sentence at the spur of the moment. So, they just said “Bari-bari”. The Bari stuck to the native tongue. Soon after, they began calling the place Bari.

➤ **BATENG**



During the Spanish regime, a miraculous Virgin appeared in the barrio. The natives being hardened pagans did not believe in the Christian Doctrine of the Spaniards. So, when the Virgin reappeared, they tried to capture her with a rope.

They shouted, “BatengyoyBirhen” and that incident was a big scandal. Eventually, people from other places referred to that place as Bateng.

➤ **BUENLAG**



There are two versions as to how Barangay Buenlag got its name.

First Version: Natives of old Buenlag were said to be hostile to strangers. If a stranger attempts to visit this place, he/she ran the risk of sporting a ‘black eye’. Parents dissuaded their sons from

visiting the place, but if the visit was unavoidable, they cautioned them saying “asicasomditan ta ompanonabanaanmonbinmenlag so kenan da et kalasianen da ka”, meaning “careful son, the timing of your visit may be wrong and you may get yourself into trouble”. Hence, the barrio became a dreaded place, Buenlag which means “negative approach” was made to refer to this barrio.

Second Version: In the older days, there used to be a river in this place. This is now the Mangaldan-Mapandan Road. This was used as the fastest means of transportation by the barrio folks. Along the river were big, centuries-old trees. One time, a strong earthquake struck the place and the big trees fell across the river, ‘binmenlag ed ilog’. As a result, people could not pass through the river. It took a long time for the people to remove the trees. To commemorate the incident the people called the place Buenlag.

➤ **DAVID**

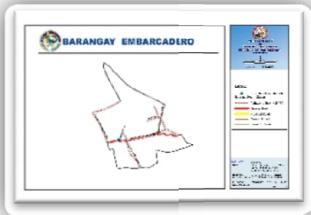
In the later part of the 19th this barrio had a chieftain named David. This man was well-acclaimed exemplary leadership and



century,
Juan
for his

extraordinary physical prowess. Even the Spanish authorities had high regards for this man that before the turn of the century, he was made Reign-Alcalde of the town in 1899. As a distinguished son of the barrio, his name was generated by his people by naming the place barrio David.

➤ **EMBARCADERO**



During the Spanish regime, the Angalacan River, located in this barangay, was the only commercial route for transportation, good roads being non-existent. Chinese junks and native boats used to ply this route to transport their products and wares. Because of its proximity to Poblacion, and location along the riverbank, the place was converted into a port. Merchants from other areas disembarked their wares in the port to be sold in the market in Poblacion. Since many kinds of “barco” anchor in this port, the place eventually became known as Embarcadero.

➤ **GUEGUESANGEN**



During the time of the native chieftain Casipit, there was a small body of water that cuts through the barrio. This creek extended as far south as Sta. Barbara. Water abundantly flowed through this creek that eventually each side of the bank eroded. The native would say their place was “Gueguesangennadanum” meaning their place was being divided by the creek. Consequently, Gueguesangen came to be the name of the barrio.

➤ **GUESANG**



Guesang was once a part of David. A big earthquake in 1500 created a large fissure which became the Inirangan Creek. The wide creek divided the compact territory of what was then barrio David. So the place on the other side of the creek became isolated. The inhabitants, wanting to have a barrio of their own named the place Guesang, meaning divided by a mighty and divine force.

➤ **GUIGUILONEN**



There are two versions as to how Guiguilonen got its name.

First Version: The barrio used to be a swampy area. Freshwater fish like mudfish and hito used to abound in the place. These species of fish are very

slippery and burrow in the mud, thus making it difficult to catch them. Hence, the people resorted to a method to catch these fishes through a fish pen or “sikop”. A “sikop” is a sort of a native net made of woven bamboo sticks. Native folks would say, “Guiguilonen da ray sira” which means the fishes are being gathered in one place by means of the “sikop” to easily catch them. All year round, people in the place and adjoining areas came to the barrio and used the method to catch fish. In time, they called the place Guiguilonen.

Second Version: This barrio used to be a thickly populated area, next only to Poblacion in density. The barrio folks were fun-loving and used to watch zarzuelas and other events held in the auditorium. This led other folks who were usually shoved out by the Guiguilonen folks away from the vantage point to comment in disgust “Singaraguiguilonenyasira” meaning they were like fish caught en masse. Thus, they branded the people as Guiguilonen, and eventually their barrio as such.

➤ **GUILIG**



The barrio used to be a part of Poblacion. Later, it became a separate and distinct barrio. It is located in the western part of the town adjoining the Poblacion. It is also adjacent to the cemetery. Adjacent in the dialogue means “Guilig”. Thus, the barrio came to be known as “Guilig”.

➤ **INLAMBO**



The major agricultural products of the barrio by the edge of Angalacan River are camote, corn, and peanuts. The sandy soil was perfect for these kinds of crops. It is best known even today that boiled camote, peanuts, and corn are delicacies that sell like hot cakes in the market. “Masamit so inlambongyamais”, meaning boiled corn tastes sweet. Natives boiled their food even during barrio banquets and they served their guests boiled camote, corn and peanuts. Due to this practice, (the natives, not knowing any better than boil their food) people in adjoining areas began referring to this barrio as Inlambong, means boiled, which was later reduced to just plain Inlambo.

➤ **LANAS**



In the Pangasinan language, the word “alanas” refers to a bamboo pole, which is cut off its leaves and long spikes and left with just enough hard branches that can be used as foothold. This was the age before cranes and iron ladders and the bamboo pole was used as a ladder.

It was most commonly used in climbing tall “silag” trees where they would get

“sinamit” (liquid sugar). There was this little place in Mangaldan where “silag” trees used to abound. Thanks to the ingenuity of the natives, the “alanas” was used to climb these tall trees. People from other places would go to this place not only to buy “sinamit” but also to buy “alanas” for their own use. The name “alanas” stuck to this place until it evolved into what it is called now, Lanas.

➤ **LANDAS**



During the Spanish regime, an epidemic broke out. Many people died. This barrio was the most affected in the town. More than half of the population perished and coffins were sadly lacking. So they had to assemble improvised coffins called “Andas”. Andas was made of bamboo sticks intricately wooden.

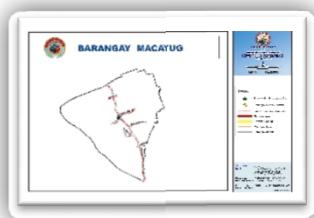
The place became famous in the making of “andas” that later they referred to the barrio as “andas”. A prefix “L” was added so as to remove the dreaded connotation of the word thus the name Landas.

➤ **MAASIN**



This barrio was named after an old and still existing salt making industry. Maasin is a Pangasinan word which means abundance in salt. Even today, through a seasonal home industry, majority of the barrio’s population are still engaged in salt-making, hence the name Maasin.

➤ **MACAYUG**



Before the coming of the Spaniards, coconut trees abound in this barrio. Natives made a living out of coconut trees alone. It was an easy way to make a living for natives because coconut trees required minimum care or none at all. Then the Spaniards came. They found the natives idling the hours away. They had nothing better to do than sleep. So, the Spaniards summoned the native chieftain and told him to convince the natives to clear some areas, to be planted with some other crops, which were brought by the Spaniards. The chieftain agreed. But long after the Spaniards had left, only the coconut trees still stood. People in adjacent barrios noted with dismay the natives’ adamant attitude “Macaniyugirad tan so totoo”.

Thus, the place came to be known as Macaniyug and much later due to the slip and wear of native tongue dropped the “ni” and reduced it to just plain Macayug.

➤ **MALABAGO**



In the olden times, this barrio was a thickly forested area. In the heart of the barrio, a big and robust tree stood prominent. Its obtuse leaves were used to welcome unwanted guests in the barrio.

Old folks story tells, that during special barrio occasions, unwanted guests far outnumbered the invited ones. In order to determine the uninvited guests, a mischievous trick was employed. Natives said that if a stranger stepped over a leaf of the tree, the stranger would emit a rapid burst of foul air. The stranger would surely blush to shame. So, during big barrio banquets, natives would assemble to climb the big tree to break a branch of leaves to be placed secretly at their doorsteps.

The name of that big tree, now extinct, was Malabago. Perhaps that tree held a special meaning to the natives that in due time, they were calling their barrio Malabago. Thus, the barrio came to be known as Malabago.

➤ **NAVALUAN**



At one time in the history of the barrio, more than half of the married women were widows. It was the belief during those days that it was not advisable for a married woman to visit that place because if she persisted it would not be long when she herself becomes a widow.

Thus, the barrio became a dreaded place for married couples. “Navaloca no onlacad tan” so they said, meaning you will become a widow if you go there. Hence, Navaloca and a suffix of “an” to denote a place came to be the name of the barrio, Navaluan.

➤ **NIBALIW**



There used to be an old river, tributary of the Angalacan River which was located in the present location of Mangaldan Central School, passing through the Romana Peanut Brittle Building Site, extending up to the barrios of

Tebag, Salaan and Bantayan and finally making its way to the sea in San Fabian. Chinese junks used to frequent the place to barter their goods with the native products.

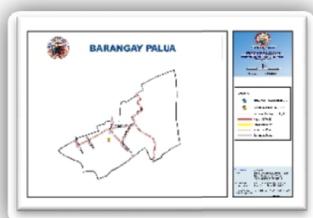
The place just across the river was named “Nibaliw” by the people since one had to cross it in a banca before reaching the place.

➤ **OSIEM**



During the pre-Spanish era, a native chieftain named Osem ruled this barrio. When the Spaniards arrived in the 1600’s, a Spanish Missionary went to the place and asked a native who their ruler is, and the native answered Osem. Thus, the Spaniards referred to this place as Osiem. Slip of the native’s tongue led to the name Osiem.

➤ **PALUA**



There was once a datu who ruled over his subjects very kindly and compassionately. He loved his people as much as they loved him. When he died, the people were heartbroken. Men and women, young and old came to pay their last respects as they wept hard. So it was not unusual that such conversations as the following would be heard: “Nialara’y man-palua” (Here come people who will shed tears.) Nanlapuanyo? (Where did you go?) Nan-palua. (where we shed tears). Soon after, the place was referred to as Palua.

➤ **POBLACION**



Before the arrival of the Spaniards in the country, the Filipinos did not constitute a single nation or single state. What existed in the Archipelago were distinct states or political units known as barangays. When the Spanish Missionaries came, they formed “pueblos” out of the barangays. These are equivalent to municipalities today. The center of the town was called Poblacion and we have maintained that name up to now. In each town or municipality, the center area where we usually find the parish church offices of the municipal officials, the central school, market, plaza and other important offices, is called Poblacion.

➤ **POGO**

In the past, this part of Mangaldan was a hunting ground for pogo. People went hunting as a sport



quail or as well as

to catch the small birds for food. Before long, people from other places went there, too. Children enjoyed gathering quail eggs which are delicious when boiled or mixed with other delicacies. Thus, the barrio earned the name Pogo.

➤ **SALAAAN**



There was no record of the formal beginning of Brgy. Salaan, but it was believed that this was established during the Spanish Era. The first settlers of Salaan were the Ilocanos from La Union and Tarlac. The name Salaan is an Ilocano word meaning “a place to dance” or a place where socials are usually held. Old folks in the barangay say that during the Spanish Times, the place was the gathering area of people looking for entertainment. There used to be a place in the Barangay where a dance was usually held. Ladies accompanied by their fathers usually went to the place, where gentlemen were required to purchase a ticket in exchange for a dance with the ladies. The number of ticket purchase was also the number of times the gentlemen were allowed to dance. The fathers of the ladies acted as bodyguards as well as collectors of the tickets. The place was eventually called Salaan, a place to dance.

➤ **SALAY**



According to the barrio folks, this part of Mangaldan used to be a commercial center famous for selling dried fish called “salay”. People who wanted good-quality salay usually went to this place. Thus, the place was eventually named Salay.

➤ **TALOGTOG**



Long, long ago, when Chinese traders monopolized the local commerce and trade, the natives always looked forward to their coming. It was a chance for them to buy or trade the things they needed but could not find in their place and also an opportunity to sell their own products to the Chinese. These boat-sailing Chinese traders used to land in Binloc, travel through Bateng and to this place which we now call Talogtog.

When the traders came, the men would beat on their drums or “taltagan” to let the people know. And the men would continue beating on their drums for some time, until even people from other places had come. When this happened, the children would chant to the beat of the drums, saying, “Tog-Tog-Tog! Matalakotog! Talogtog!”. That was how the place earned the name Talogtog.

➤ **TEBAG**



Once upon a time, the Angalacan River, which was then filled with fresh, clear water, flew smoothly from Embarcadero winding its way to the place now called Tebag. As the years passed, the riverside was slowly eroded. So, the natives referred to it as “dalinyaatebag!” (Eroded land). When someone asks, “Iner so laenmo?” (Where are you going?) responses were “Dimadatebag.” (From the place which was eroded by the river.) Soon, the place was referred to as Tebag.

1.4 POLITICAL DEVELOPMENT

The people of Mangaldan figured actively in several revolts against Spain. Sometime, in 1660-1661, Mangaldan became the seat of the rebel kingdom of Andres Malong after Binalatongan fell in the hands of the Spanish forces. In 1762, the inhabitants participated in the revolt led by Juan dela Cruz Palaris. Again, when the Philippine Revolution broke out, many joined the forces of General Emilio Aguinaldo.

The political evolution of Mangaldan has been greatly shaped by Spaniards who ran the affairs of the town. In 1727, Mangaldan was a Spanish pueblo and Mapandan was annexed to it as a Barrio from 1903-1908. It was also in 1727 when a decree was issued by the Spanish authorities, which allowed Filipinos a hand in running the affairs of the local governments. Don Santiago Senen was appointed chief executive with the title of “Kapitan Basal” or town executive.

From 1727 – 1896, a period of 170 years, there were 152 Capitan Basal who got their appointments from 62 Padre Curas. Each Capitan Basal served only for a term of one year and then reappointed, if found good. From 1877 to 1896, the term of office was increased to two years without reappointment. By 1897, the Spanish rule in Mangaldan ended due to the Revolution that broke out.

The town has its distinguished sons in the field of politics in the persons of:

the late Atty. Bernabe Aquino
Provincial Governor of Pangasinan
1928-1931
CFI Judge of Tarlac, 1960s

the late Atty. Emiliano L. Abalos
Member, Provincial Board
Delegate, Philippine Constitutional Convention
of 1970-1971

the late Dr. Jose L. de Guzman
Congressman of the 3rd District

the late Atty. Teofilo Cabrera
Member, Provincial Board 1952 – 1954

MANGALDAN, PANGASINAN

1950-1953
Member, Provincial Board
1946-1949
Delegate, Philippine Constitutional
Convention of 1935

the late Atty. Adriatico Golea
Member, Provincial Board 1959-1963

the late Atty. Luis E. Serafica, Sr.
Member, Provincial Board 1984-1987;
1988-1992

the late Atty. Eugenio Estayo
Member, Provincial Board 1922-1925

The following are the chief executives of the town:

REIGN – CAPITAN BASAL (1727 – 1821)

1727: Don Santiago Senen	1781: Don Juan Amansec
1728: Don Juan dela Cruz	1782: Don Bartolome de Vera Masa
1729: Don Juan Bautista	1783: Don Fulgencio Caramat
1730: Don Pedro Casipit	1784: Don Bernardo Lazaro
1731: Don Juan de Ocampo	1785: Don Bartolome V. Masa
1732: Don Pedro Casipit	1786: Don Manuel de Vera
1733: Don Santiago Casipit	1787: Don Gabriel de Guzman
1734: Don Domingo de Guzman	1788: Domingo dela Cruz
1735: Don Juan dela Cruz	1789: Don Domingo Amansec
1736: Don Domingo de Guzman	1790: Don Domingo dela Cruz
1737: Don Pedro Casipit	1791: Don Juan de Vera Masa
1738: Don Alfonso Mateo	1792: Don Vicente Casupang
1739: Don Luis Lomboy	1793: Don Vicente Bernardo
1740: Don Lorenzo de Vera	1794: Don Jose Salvador Carama
1741: Don Domingo dela Masa	1795: Don Mariano Almonte
1742: Don Domingo de Guzman	1796: Don Pedro Casipit
1743: Don Tomas Ventura	1798: Don Domingo de Guzman
1744: Don Jose dela Cruz	1799: Don Domingo dela Cruz
1745: Don Domingo de Guzman	1800: Don Pedro Geronemo
1746: Don Domingo Gervacio	1801: Don Mateo Caramat
1747: Don Miguel Fabia	1802: Don Jordan Tambaoan
1748: Don Esteban Satyan	1803: Don Manuel de Vera
1749: Don Mateo David	1804: Don Vicente Bernardo
1750: Don Domingo de Guzman	1805: Don Gabriel de Guzman
1749: Don Mateo David	1806: Don Mariano Almonte
1751: Don Lorenzo Lazaro	1807: Don Domingo de Guzman
1752: Don Martin Fernandez	1808: Don Pedro Soriano
1753: Don Manuel Salvador	1809: Don Fulgencio Caramat
1754: Don Francisco Peteti	1810: Don Antonio Francisco
1755: Don Domingo dela Masa	1811: Don Bernardo Bautista
1756: Don Domingo de Guzman	1812: Don Salvador Amansec
1757: Don Manuel Fabia	1813: Don Juan Sabino
1758: Don Bernardo de Vera	1814: Don Maximo Garcia
1759: Don Pedro Jimenez	1815: Don Vicente Amansec
1760: Don Lorenzo Lazaro	1816: Don Esteban de Vera
1761: Don Lorenzo Lazaro	1817: Don Manuel Enrique
1762: Don Francisco Antonio	1818: Don Salvador Amansec
1763: Don Pascual dela Cruz	1819: Don Domingo Aquino
1764: Don Luis Enrique David	1820: Don Vicente Velasco
1765: Don Luis Enrique David	1821: Don Inocencio Torralba
1766: Don Alfonso Matoo	
1767: Don Francisco Antonio	
1768: Don Alfonso Mateo Caramat	
1769: Don Juan de Vera	

1770: Don Juan Amansec

1822: Don Lorenzo Lazaro	1870: Don Tomas Serafica
1823: Don Ildefonso Tamondong	1871: Don Tomas de Vera
1824: Don Domingo Gervacio	1872: Don Tomas de Vera
1825: Don Domingo Gervacio	1873: Don HermenegildoSerafica
1839: Don Raymundo Martinez	1875: Don Luis Serafica
1840: Don Juan Bautista	1876: Don Luis Serafica
1841: Don Cipriano Victorio	1877: Don Pedro Ferrer
1842: Don Jose Cabrera	1878: Don Pedro Ferrer
1843: Don Ildefonso Tamondong	1879: Don Domingo Idio
1844: Don Vicente Victorio	1880: Don Domingo Idio
1845: Don Bartolome Zarate	1881: Don Mariano Costes

1771: Don Luis Enrique David
1772: Don Melchor Lomboy
1773: Don Domingo dela Cruz
1774: Don Bartolome de Vera Masa
1775: Don Jordan Tambaoan
1776: Don Luis Fernandez
1777: Don Pascual Lomboy
1778: Don Julian de Guzman
1779: Don Domingo Soriano
1780: Don Pascual Lomboy

REIGN – ALCALDE (1822 – 1899)

1846: Don Joaquin del Rosario	1882: Don Mariano Costes
1847: Don Tomas Aquino Alvan	1883: Don Pedro Sta. Maria
1848: Don Eusebio Lazaro	1884: Don Pedro Sta. Maria
1849: Don Salvador Carpio	1885: Don Domingo Mejia
1850: Don Vicente Sta. Maria	1886: Don Domingo Mejia
1851: Don Domingo Victorio	1887: Don Vicente Ferrer
1852: Don Pedro de Asis	1888: Don Vicente Ferrer
1853: Don Francisco Magno	1889: Don Vicente David
1854: Don Vicente Sta. Maria	1890: Don Vicente David
1855: Don Jordan de Aquino	1891: Don Hilario Aquino
1856: Don Juan de Aquino	1892: Don Hilario Aquino
1857: Don Antonio Caramat	1893: Don Domingo Abalos
1858: Don Gregorio Calicdan	1894: Don Domingo Abalos
1859: Don Joaquin del Rosario	1895: Don Jose Lopez Serafica
1860: Don Vicente Lopez	1896: Don Jose Lopez Serafica
1861: Don Raymundo Calicdan	1897: Don Jose Lopez Serafica
1862: Don Juan de Aquino	1898: Don Juan David
1863: Don Jordan de Aquino	1899: Don Juan David
1864: Don Jordan de Aquino	
1865: Don Carlos de Guzman	
1866: Don Carlos de Guzman	
1867: Don Pedro de Asis	
1868: Don Tomas Serafica	
1869: Don Tomas Serafica	

REIGN – MILITARY GOVERNMENT

1900: Capitan Stay Teniente Robinson Don Vicente Magno (MunicipalPresident)

REIGN – CIVIL GOVERNMENT

1901: Don Luis A. Callanta	1913: Don Ulpiano de Vera	1924: Don Andres Garcia
1902: Don Pedro Estayo	1914: Don Ulpiano de Vera	1925: Don Andres Garcia
1903: Don Pedro Estayo	1915: Don Ulpiano de Vera	1926: Don Andres Garcia
1904: Don Pedro Estayo	1916: Don Ulpiano de Vera	1927: Don Andres Garcia
1905: Don Pedro Estayo	1917: Don Pedro de Guzman	1928: Don andres Garcia
1906: Don Vicente Magno	1918: Don Pedro de Guzman	1929: Don CosmeBiagtan
1907: Don Vicente Magno	1919: Don CosmeBiagtan	1930: Don CosmeBiagtan
1909: Don Vicente Magno	1920: Don CosmeBiagtan	1931: Don CosmeBiagtan
1910: Don Pedro de Guzman	1921: Don Pedro Estayo	1932: Don CosmeBiagtan
1911: Don Pedro de Guzman	1922: Don Pedro Estayo	1933: Don Andres Garcia
1912: Don Pedro de Guzman	1923: Don Andres Garcia	1934: Don Andres Garcia

REIGN OF COMMONWEALTH GOVERNMENT

1935: Don DalmacioVisperas	1938: Don FilomenoBillote
1936: Don DalmacioVisperas	1939: Don FilomenoBillote
1937: Don DalmacioVisperas	1940: Don FilomenoBillote

JAPANESE OCCUPATION

1941: Don Daniel Frianeza
1942: Don Daniel Frianeza
1943: Don Daniel Frianeza
1944: Don Daniel Frianeza

LIBERATION PERIOD

1945 – 1946: Don Daniel Frianeza

REPUBLIC OF THE PHILIPPINES

July 1946:	Don Pedro de Guzman
1947:	Don Guillermo Visperas
1948 – 1957:	Don Adriatico Golea
1957 – 1959:	Don Jose Duyala
1960 – 1963:	Don Abelardo Biala
1964 – 1980:	Don Macario G. Ydia
1980 – 1984:	Don Pedrito G. Presto
May 6, 1984 – June 1, 1986:	Doña Consorcia F. Golea
June 2, 1986 – November 1987:	Don Benigno M. Gubatan
December 6 – Feb. 1, 1988:	Don Juan G. Quinto
Feb. 2, 1988 – June 30, 1998:	Don Benigno M. Gubatan
July 1, 1998 – June 30, 2001:	Don Numeriano G. Presto
July 1, 2001 – June 30, 2004:	Don Tito B. Sarzaba, Jr.
July 1, 2004 to Dec, 23, 2012:	Don Herminio A. Romero
Dec. 24, 2012 to June 30, 2013:	Don. Bernardo C. Abalos
July 1, 2013 to June 30, 2012	Doña Bona Fe De Vera-Parayno
July 1, 2019 to June 30, 2022	Doña Mary Marilyn DG. Lambino
July 1, 2022 to date	Doña Bona Fe De Vera-Parayno

It was after the declaration of martial law and the 1986 EDSA revolution that the town experienced an unprecedented growth in its income. This may be brought about by the enactment of legislation which made the local government units a shot in the arm. Among these regulations are: Presidential Decree No. 231 as amended known as the Local Tax Code providing for the local government units to create/levy taxes subject to the limitations set by law; Presidential Decree No. 464 otherwise known as the Real Property Tax Code; and Presidential Decree No. 477 known as Local Fiscal Administration Code. These laws were intended to enable the local governments develop into self-reliant communities and able partners of the national government in development.

In 1973, the town was classified as a third-class municipality and became 2nd Class with an average income of P2 Million in 1982. In the 1996 reclassification of municipalities, Mangaldan attained a 2nd class stature, having attained an annual average income of P18million from 1992 to 1995 as contained in the Department of Finance Department Order No. 24-97. Its growth may be attributed to the able leaders/officials who are dedicated to make the municipality a premier town of Pangasinan.

1.5 SOCIO- CULTURAL DEVELOPMENT

Based on historical accounts of the municipality, the Spanish Friars had a hard time convincing and converting the inhabitants of Mangaldan to the Christian Faith. Once converted however, they became ardent followers of the faith until today.

Mangaldan had its best years in the field of arts and music in the early 1900's when several of its sons and daughters were famous Zarzuela producers and performers. Juan Biason, a noted playwright and businessman, produced a number of zarzuelas reflecting the existing conditions of the times and were staged in the province and the neighboring provinces of Tarlac and Pampanga. His writings however were destroyed when his house was burned down in the 1930's. Another Mangaldanian in the person of Claudio Gonzales wrote and composed zarzuela music. One of his famous works was the translation of the Pambansang Awit into the Pangasinan dialect.

Mangaldan excelled in having among its inhabitants' creative composers, conductors and famous musicians that in the 1900's up to the 30s in the persons of Mariano Evangelista, Tranquilino Caballero, Claudio Gonzales, Juan Aquino and Mariano Aquino. Two well-known Orchestras came about, the "Orchestra Biason" and "Orchestra Biagtan". Both were in demand as far as the Ilocos and the southern provinces. In the 1950's these were succeeded by the Blue Eagle Orchestra of Domingo Lomibao and the Loyal Orchestra of Don Filomeno Billote which were no less in great demand and popularity. The Blue Eagle later became the Blue Eagle Swingsters with Melecio Cabrera, Domingo Rivera, Lorenzo Cachola and Edie Montes as successive conductors.

Mangaldan is one of the very few towns of Pangasinan with a patriotic song of its own. Rafael Magno composed the Loyalty Song, "Logor ed Baley" based on the English lyrics written by Ernesto Serote, which was one of the pieces winning a major prize in a songwriting contest sponsored by the Municipal Council in 1974 in Commemoration of the 375th foundation anniversary of Mangaldan as a parish.

Demetrio Gonzales, a son of composer Claudio Gonzales and a creative music lover composed both the music and lyrics in English and Pangasinan, the Mangaldan March, "Abante Mangaldan" which won first prize. A Municipal Council resolution was passed requiring the singing of these songs at the close of any program or occasion undertaken in the municipality.

In 2000, a stage play entitled "Indio Anak-Banua" was shown at the MYDC depicting the life of Pedro Casipit who was known as the Father of Mangaldan. Under the direction of Abdel Langit, the casts of the play were a combination of local talents and popular artists/actors in cinema/television and stage plays in Manila.

In 2008, Mangaldan joined an invitational competition on Municipal Hymns in the entire Province of Pangasinan sponsored by the Municipality of San Fabian. The entry song was the "Abante Mangaldan", the Mangaldan March and was adjudged as 2nd place.

Mangaldan continuously supports the promotion of arts and culture through various activities. For the past 25 years, the Municipality of Mangaldan has continuously sponsored the conduct of "UGNAYAN SA PASKO" held at the

Public Auditorium which serves as a training ground for amateur talents especially in the field of singing. This annual gathering has become a venue of economic activities among vendors who have practically increased in number.

Another long-running annual cultural activity which was started in the late 70's is "New Year and Costume Ball" conducted every January 1 every year. For almost 38 years, various groups, organizations and barangay folks participate in this annual activity to welcome the beginning of the year with merriment and optimism. Various contests are conducted like best in costume, biggest delegation, dance competitions and highlighted by the selection for Mr. and Ms. New Year and Costume Ball.

In 2011, the Province of Pangasinan launched the 1st Pangasinan Culture and Arts Festival (PCAF), dubbed as "Balitok a Tawir" in which the Municipality of Mangaldan garnered the Championship award in the folk-dance competition. In December of 2013 PCAF competition, Mangaldan was adjudged as the 1st Runner up in the dance competition.

On April 5, 2014, the Province of Pangasinan celebrated the 434th Agewna Pangasinan and launched the Parade Na Dayew with a Float competition. Again, Mangaldan was adjudged Champion as the Best in Float.

On government/public services, some of the awards garnered were: being the 46th Place Nationwide Economic Dynamism (1st – 2nd Class Municipalities & 2nd Place Region I); 38th PLACE Nationwide Overall Competitiveness (1st – 2nd Class Municipalities & 3rd Place Region I); First Place – 2016 National Literacy Award Category A (Division Level); First Place – 2016 Outstanding A & E Program Implementation (Municipality with Two Districts Category);

CHAMPION, 2016 Provincial Search For The Most Statistically Developed LGU - Category A (City / First And Second Class Income Municipality); CSC Maturity Level 2 In PERFORMANCE MANAGEMENT 2016; 2016 Seal of Child Friendly Local Governance (National Level); 2017 Cities & Municipalities Competitiveness Index (Regional); 2017 Good Financial Housekeeping (National); 2017 Seal of Good Local Governance Awardee; 2017 Best Implementer In EventBased Surveillance& Response-MHO (Regional); One of The Top 5 Eligible Local Government Units - Performance Based Eligibility Criteria FY 2017 ; 2019 Seal of Good Local Governance Awardee;

1.6 FUNCTIONAL ROLE AND GLIMPSE TO THE FUTURE

Mangaldan's strategic location being at the crossroads of the major transportation routes going to the major urban centers makes it a growing commercial/industrial town. In the Regional Physical Framework Plan 1989-1993 of the National Economic & Development Authority, Region I, Mangaldan is identified as one of the sub-growth centers in the Region, a satellite of Dagupan City. As envisioned, Mangaldan will play a supportive role to Dagupan City

which is a major urban center and to the town of Manaoag, which is dubbed as the “Pilgrimage City of the North”.

Mangaldanians are united in their vision that **“MANGALDAN, is a smart, environment and tourist-friendly, economically-stable, safe and progressive municipality, with God-loving, healthy and gender-sensitive people, guided by leaders with principles of good governance”**. In this Socio-Economic/ Ecological Profile, the Municipal Government of Mangaldan is fully committed to promote the welfare and well-being of its constituents through dedicated and development-oriented political leaders, aided by a highly motivated and accountable bureaucracy through vital operating mechanisms, putting premium on people’s participation and steadfast in its performance commitment to pro-actively meet the challenge of a multifaceted local governance. Its main objectives are:

Increase production in agriculture, fishery, livestock thru optimum utilization of land; Generate needed livelihood and employment opportunities; Balance distribution of infrastructure services to support social development programs in various parts of the municipality; Ensure long-term sustainability of the environment thru maintained equity in the utilization of resources.; Increase access to safe drinking and potable drinking water; Identify relocation sites for informal settler or families living in identified danger areas; Improve existing local public enterprises; Strengthen LGU-business sector partnership; Promote effective preservation, protection and management of the environment for a balanced ecology; Improve the quality of life particularly the poor households of the municipality; and to Provide adequate quality services on health, education, housing and basic utilities, safety and security.



Aside from processed meat, various products like lechon, grilled bangus, kakanin, pottery and bamboo craft are also popular to visitors. These are just few of the many livelihood opportunities available in Mangaldan.



1.7 INVENTORY OF CULTURAL PROPERTY

OLD MANGALDAN MUNICIPAL BUILDING

Old Mangaldan Municipal Building, also recognized as the Presidencia Municipal, took place in 1930 under the leadership of Former Mayor Don Cosme Biagtan.



The Gabaldon Building stands as a historic landmark within



GABALDON BUILDING
 Mangaldan Central School, symbolizing the enduring political legacy of Isauro Gabaldón. Serving with distinction in the Philippine Senate from 1916 to 1919, and securing reelection in 1923 and 1925, Gabaldón's influential tenure extended until his resignation on July 16, 1928, propelled by his nomination for the Philippine House of Representatives. Notably, Gabaldón's advocacy manifested in the establishment of American-era public elementary schools, perpetuating his name through the legislation he ardently championed.

https://en.wikipedia.org/wiki/Isauro_Gabald%C3%B3n, <http://gabaldon.ivanhenares.com/>

PLAZA KIOSK

Mangaldan Public Plaza was constructed during the tenure of Provincial Governor Teofilo Sison, which was from 1922 to 1925.



MAYOR'S GATE

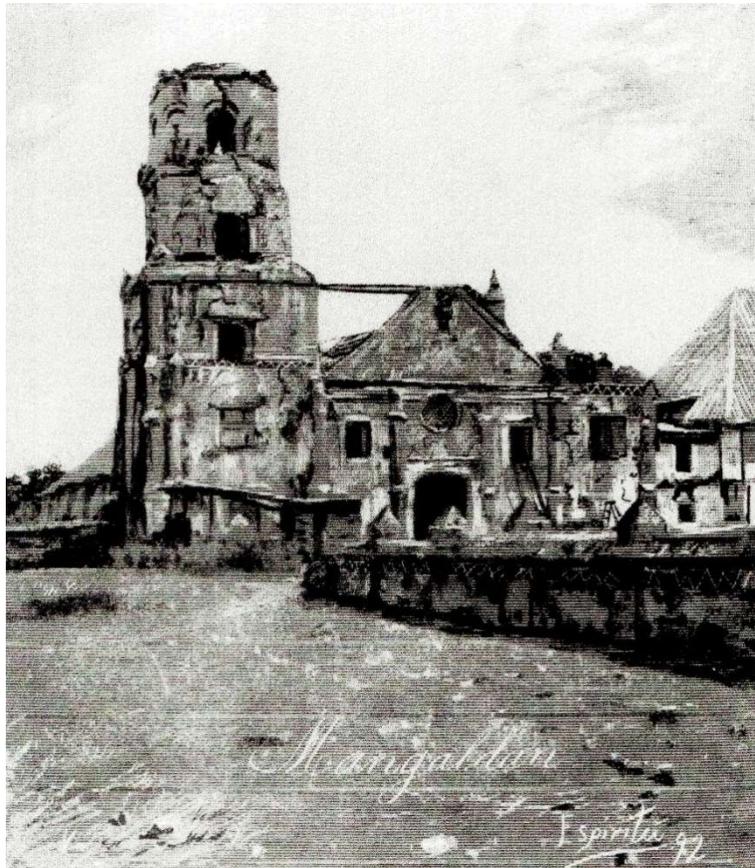


The Mangaldan Public Plaza's entrance gate is known as Mayor's Gate. The structure was built in 1954.

ST. THOMAS AQUINAS PARISH CHURCH

Originally, Mangaldan was a part of Calasiao until the Dominicans created it as an independent parish under the patronage of St. Thomas Aquinas on June 2, 1600. Its first church was of regular proportions.

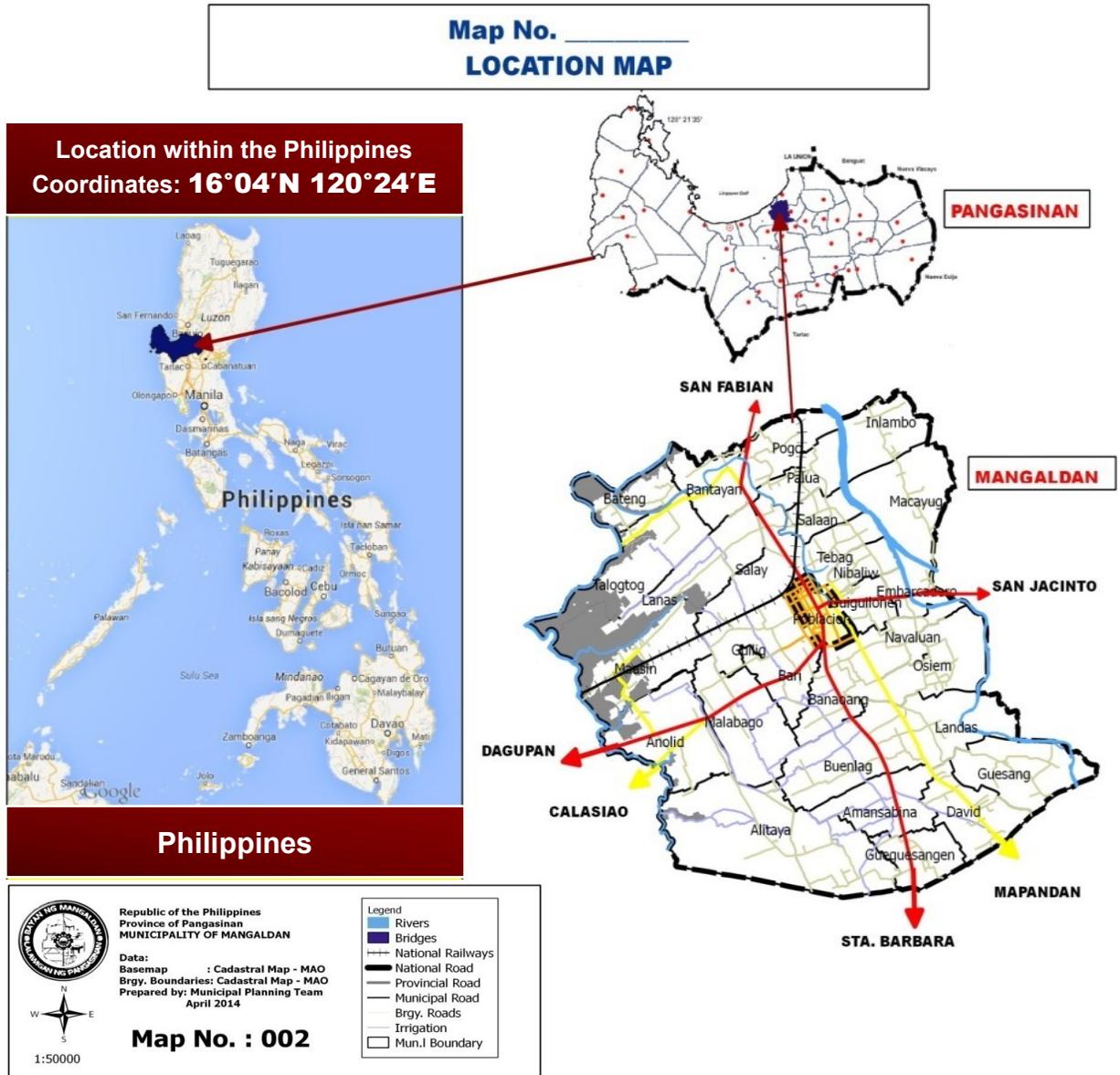
The second church of Mangaldan was finished in 1812. It collapsed during the great earthquake of March 16, 1892. The construction of the convent dates back to 1747. The construction of the present church was begun in 1942 by Fr. Juan Sison and was completed 20 years later by Fr. Leon Bitanga.



CHAPTER II

GEO- PHYSICAL ENVIRONMENT

2.1 GEOGRAPHICAL LOCATION



2.2 POLITICAL BOUNDARIES/ MUNICIPAL BASE MAP

The Municipality of Mangaldan is situated on a plain terrain on the northern part of eastern Pangasinan, more or less TWENTYFOUR (24.1) kilometers inland from the historical Lingayen Gulf. The map of the Philippines determined its geographical location somewhere at latitude 16° 01' 39" to 16° 06' 19" North and at longitude 120° 21' 35" to 120° 26' 48" East. It is bounded by the following

municipalities:

BOUNDARIES	
North	Lingayen Gulf
South	Sta. Barbara
East	San Jacinto
West	Dagupan City
Northeast	San Fabian
Southeast	Mapandan
Southwest	Calasiao

Mangaldan is a part of the vast agricultural basin found in the central-eastern portion of the Province of Pangasinan. It forms part of the major urban areas within the Lingayen Gulf, which is known as the Mangaldan-Dagupan-Binmaley-Lingayen Corridor. It is 75.2 kilometers away from the regional center of San Fernando City, La Union, eight (8) kilometers away from Dagupan City, 12.3 kilometers away from the religious town of Manaoag, 24.1 kilometers away from the provincial capital of Lingayen, 67.4 kilometers away from Baguio City, via Kennon Road and 210 kilometers away from Manila. It is accessible and could easily be reached by regular means of land transportation.

DISTANCES KM	
Lingayen	24.1
Dagupan	8
Mapandan	10.9
San Fabian	13.3
San Jacinto	6.3
Manaoag	12.3
San Fernando, La Union	75.2
Baguio City	67.4
Manila	210

2.3 TOPOGRAPHY

TOPOGRAPHY AND LAND FEATURES

Generally, the entire town of Mangaldan is flat and leveled with 0.3% slope. This is within slope category “A” which is useful for paddy rice culture. There are no mountains or large bodies of water within the area. Four (4) rivers can be located in the municipality comprising the Old Mangaldan River, Manguiragday River, Angalacan River and Paldakit River.

2.4 GEOLOGY

LAND CLASSIFICATION

In terms of Land Capability, the municipality has three (3) types namely: Class A, Class B_e and Class X. Soils belonging to San Manuel series belong to Class A, soils belonging to Bantog Clay loam belong to Class B_e and hydrosol series belong to Class X.

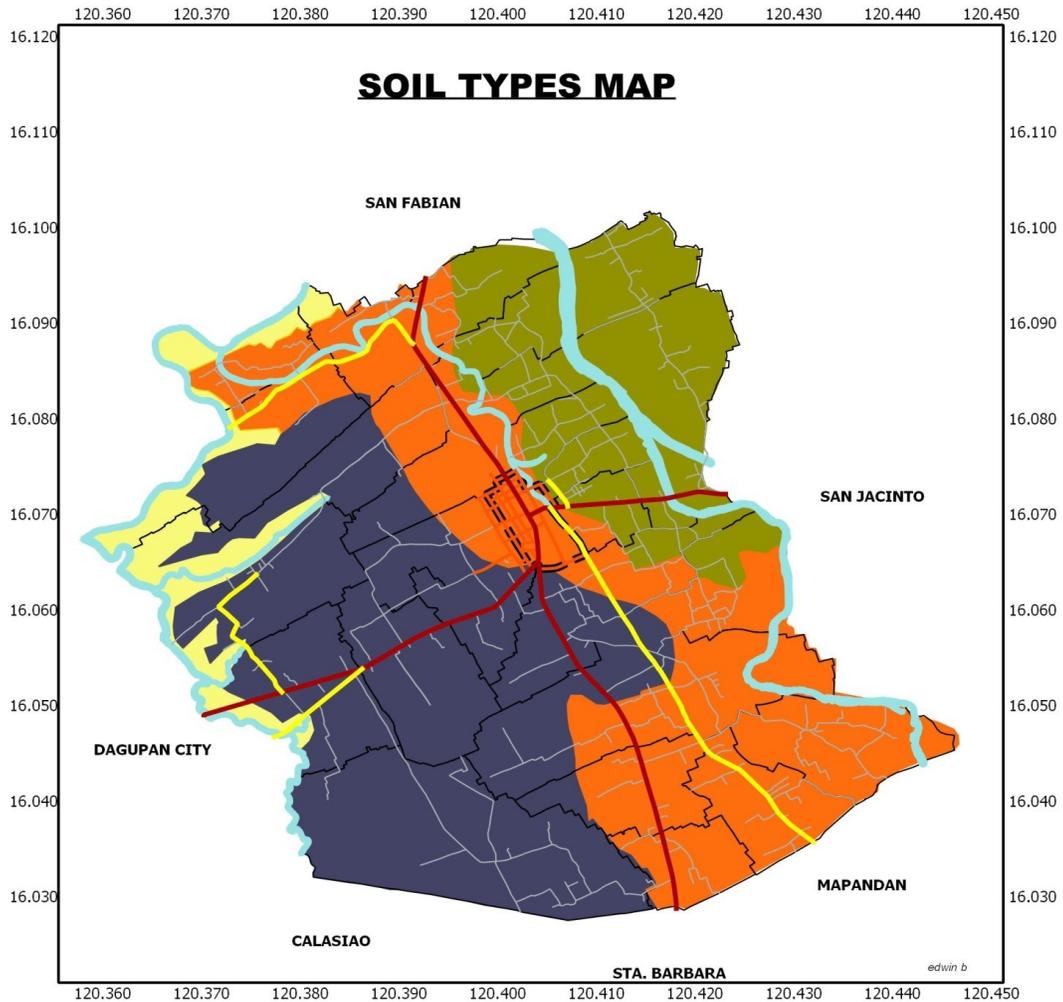
Class A lands are very good lands which can be cultivated safely requiring only simple but good farm management practices and are approximately 2,389.70 hectares.

These are located mostly in Southeastern barangays. Class B_e lands are good lands which could be cultivated safely requiring simple conservation practices and is estimated at 1,892.124 hectares. These are mostly in the Southwestern Barangay. Class X lands are level lands, wet most of the time and cannot be economically drained and are suited for fishponds. Generally, these

classes of lands are not susceptible to erosion and cover an estimated area of 477.776 hectares such as in Barangays Talogtog, Anolid, Bateng, Bantayan, Lanas and Maasin.

SOIL TYPES

There are four (4) soil types found in Mangaldan namely: San Manuel Silt Loam, San Manuel Fine Sandy Loam, Bantog Clay Loam and Hydrosol.



	Republic of the Philippines Province of Pangasinan MUNICIPALITY OF MANGALDAN	Legend — Provincial Road — National Road — Municipal Road — Barangay Roads — Rivers — Barangay Boundaries — Bantog Clay Loam — Hydrosol — San Manuel Fine Sandy Loam — San Manuel Silt Loam
	Data: Basemap : Cadastral Map - MAO Brgy. Boundaries: Cadastral Map - MAO Prepared by: Municipal Planning Team April 2014	
 1:50000	Map No. : 003	

2.5 LAND RESOURCES

EXISTING LAND USE AND LAND USE TRENDS
General Land Uses, Areas, Intensity

Mangaldan is primarily an agricultural municipality with 3,378.50 hectares or 69.69% of the total land area being devoted to agricultural uses. The remaining 1,469.28 hectares or 30.31% include residential neighborhoods,

commercial, institutional uses, fishponds, rivers, roads and other uses as shown in (Table 8 and Map No. 26 – Existing Land Uses).

Despite the dominance of agricultural use, an urbanizing trend is noted which can be accounted by the following factors: 1) Mangaldan is absorbing portions of the commercial and industrial requirements of Dagupan City and part of the Calasiao Mangaldan-Dagupan (CAMADA) or Metro-Dagupan plan; and 2) adjacent towns of San Jacinto, Mapandan and San Fabian are dependent on Mangaldan for their commercial activities.

The various land uses can be described as follows:

a) AGRICULTURAL

The agricultural lands in the municipality cover an approximate area of with 3,378.50 hectares or 69.69% of the total land area of the municipality. The agricultural activities include: a) rice and corn farming, b) poultry/ piggery/ livestock raising, and rootcrops/ vegetable farming. Bigger farmlands are found at the southwestern portions of the town especially in barangay Alitaya, Buenlag, and Malabago. In the eastern part, due to the presence of traversing roads, the once wide and contiguous farmlands are reduced into smaller segments particularly in barangays Gueguesangen, Landas, Osiem, Navaluan, Nibaliw, Palua, Salaan, and Tebag. The strategic agriculture protection zone covers all irrigated ricelands as implemented thru the Department of Agrarian Reform (DAR). This covers an area of 1,350 hectares which remain the same from the last planning period.

b) RESIDENTIAL USES

Residential areas are intermingled with agricultural areas and built along major thoroughfares. The residential neighborhoods are characterized by residential uses together with accessory and secondary uses such as sari-sari stores, home industries and the like. This use occupies an aggregate of 836.39 hectares or 17.25% of the total municipal area.

High density neighborhoods are located along the national road going to Dagupan City in barangays Bari, Malabago and Anolid. Other high-density neighborhoods are found in Maasin; that portion of Salay and Bantayan along the road leading to San Fabian; that portion of Guiguilonen and Embarcadero along the road leading to San Jacinto and along the minor roads; and those portions in Buenlag and Gueguesangen along the road leading to Sta. Barbara and that portion of Gueguesangen along the road leading to Mapandan.

The rest of the residential neighborhoods could be considered as medium to low density characterized by intermittence with agricultural uses.

c) FISHERY

Fishponds are found in the northwestern portion of the town in barangays Bateng, Talogtog, Lanas, Maasin and Anolid. Fishponds occupy about 331.54

hectares or 6.84% of the total land area. The more common species of fish caught are bangus, tilapia, malaga, shrimps, lobsters and crabs.

d) ROAD NETWORK

The road network with a total area of 176.35 hectares or 3.64% of the municipal area. This includes all national, provincial, municipal and barangay or farm to market roads.

e) COMMERCIAL USES

Significant commercial uses requiring land use classification are those found in Bari, Banaoang, Guiguilonen and Poblacion. The tendency for these areas to be converted to commercial use is due to urbanizing trend along the road leading to Dagupan City and their proximity to the Central Business District. A total of 44.04 hectares or 0.91% of the total municipal area is occupied by this use.

Commercial uses complementary and supportive to residential neighborhoods such as sari-sari stores and home-based crafts are subsumed as portions of the residential uses.

Among the industries in the municipality include: meat and fish processing,panocha/bocayo making, fan making, blacksmithing, bijon factory, oil factory, candy making, peanut brittle making, hollow blocks making,bagoong factory and home-based catering.

f) GENERAL INSTITUTIONAL USES

General Institutional Uses consist of the municipal hall, schools, churches/chapels, barangay health stations, clinics, barangay halls. These uses occupy an aggregate of 35.99 hectares or 0.74% of the total area and are found within residential neighborhoods.

Elementary schools are found in almost all barangays except in: Bateng, Guiguilonen, Guilig, and Landas. New school sites have been identified in barangay Guiligand Bateng.

There are 30 medical health facilities which are distributed in all barangays. The two (2) Rural Health Centers are located in Poblacion and Bantayan.

Chapels are located in the following 14 barangays: Alitaya, Amansabina, Gueguesangen, David, Guesang, Landas, Osiem, Anolid, Malabago, Maasin, Bateng, Bantayan, Salaan and Salay. Catholic Churches are located in Brgy. Poblacion, Brgy. David, Brgy. Malabago and Brgy. Bantayan. All barangays have their own barangay halls.

g) PARKS AND RECREATION

Parks and Recreation include the playground and town plaza covering an area 2.52 hectare or 0.05%. These do not form part of the Institutional Area.

h) CEMETERY/ MEMORIAL PARK

The identified special uses having environmental impact and significance are cemeteries, memorial parks. It occupies 9.92 hectares or 0.20% of the total land area.

i) SPECIAL USES

The Special Uses consist of slaughterhouse, livestock and municipal transfer facility. These uses occupy 2.68 hectares or 0.05% of the total area.

EXISTING LAND USES (GENERAL/URBAN)

Land Use	Existing Land Use (2016)	
	Area (Has.)	Percent to Total
Agricultural	3,378.50	69.69
Residential	836.39	17.25
Industrial	29.85	0.62
Fishery	331.54	6.84
Roads	176.35	3.64
Commercial	44.04	0.91
General Institutional	35.99	0.74
Parks and Recreational	2.52	0.05
Cemetery/ Memorial Park	9.92	0.20
Special Uses - Slaughterhouse	1.00	0.02
- Livestock	0.48	0.01
- Municipal Transfer Facility	1.20	0.02
TOTAL	4,847.78	100.00

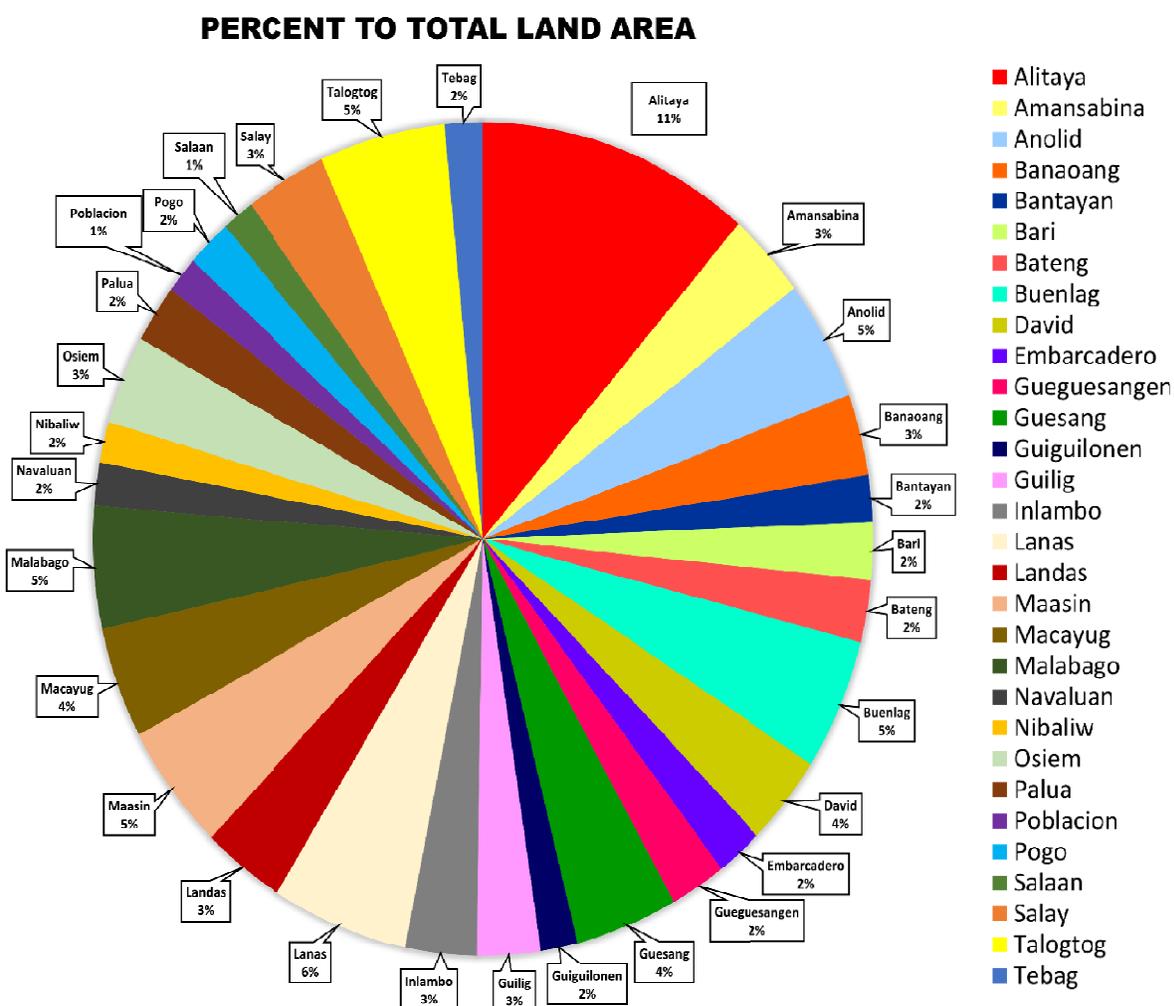
BARANGAY LAND AREA

Urban Barangays	Land Area	Percent to Total Land Area	Urban Barangays	Land Area	Percent to Total Land Area
Alitaya	540.41	11.38%	Lanas	274.20	5.66%
Amansabina	161.03	3.39%	Landas	167.79	3.46%
Anolid	226.43	4.67%	Maasin	239.59	4.94%
Banaoang	153.76	3.17%	Macayug	209.87	4.33%
Bantayan	87.75	1.81%	Malabago	230.75	4.76%
Bari	107.95	2.23%	Navaluan	82.47	1.70%
Bateng	117.51	2.42%	Nibaliw	76.15	1.57%
Buenlag	248.17	5.12%	Osiem	167.07	3.45%
David	171.03	3.53%	Palua	110.19	2.27%
Embarcadero	94.19	1.94%	Poblacion	68.65	1.42%
Gueguesangen	112.43	2.32%	Pogo	89.99	1.86%

Guesang	205.95	4.25%	Salaan	65.47	1.35%
Guiguilonen	74.29	1.53%	Salay	164.97	3.40%
Guilig	127.55	2.63%	Talogtog	252.81	5.21%
Inlambo	142.39	2.94%	Tebag	76.19	1.57%
			Total	4,847.78	100%

Data Source: Cadastral Map

BARANGAY LAND AREA CHART



2.6 FRESHWATER RESOURCES

As per above-stated on the existing land use.

Fishponds are found in the northwestern portion of the town in barangays Bateng, Talogtog, Lanas, Maasin and Anolid. Fishponds occupy about 331.54 hectares or 6.84% of the total land area. The more common species of fish caught are bangus, tilapia, malaga, shrimps, lobsters and crabs.

2.7 CLIMATE

➤ **CLIMATE AND WEATHER**

Mangaldan is affected by two (2) types of seasons, the wet and dry. Wet season occurs from, May to November while dry season is from December to April.

➤ **TEMPERATURE**

The maximum temperature was 34.4⁰C in May 2023 which is moderately hot, with average mean temperature of 33% and average minimum temperature of 22.0⁰C.

➤ **RAINFALL**

The annual total volume of rainfall for the whole year 2023 was 2676.50mm. It was observed that September has the greatest number of rainy days with 26. Most of the months have the number of rainy days except for the month of March with 1 rainy day.

➤ **HUMIDITY**

The relative humidity was an average of 77.08 percent. The lowest was recorded with 71% in March & May while the month of September has highest relative humidity with 83%.

➤ **PREVAILING WIND DIRECTION**

The prevailing wind direction was observed ata total of 160.00 and an average wind speed of 3.17% considered to be come from the south.

➤ **CLIMATOLOGICAL CONDITIONS**

In 2023, average maximum temperature was 34.4⁰C and the total number of rainy days was 136 for the whole year.

**DAGUPAN
SYNOPTIC I
STATION,
CY 2023**

Source: PAGASA₂₀₂₃

MONTH	TN	TX	RH	RD	RR	WS	WD	TC	Pressure
JAN	22.0	30.6	74	2	12.8	003	160	0	1011.7
FEB	22.7	31.1	74	2	18	003	160	0	1011.9
MAR	23.6	32.8	71	1	6	004	160	0	1012.1
APR	26.1	34.3	72	4	82.6	004	320	1	1009.2
MAY	26.8	34.4	75	6	217.9	004	160	1	1008.5
JUN	25.9	33.1	82	23	339.2	003	140	1	1008.1
JUL	25.5	31.7	82	20	716.4	003	160	3	1007
AUG	26.3	31.9	81	20	449.5	004	160	3	1007.3
SEP	25.8	32.3	83	26	616.4	003	160	2	1008.1
OCT	25.4	32.6	81	15	190.7	003	160	1	1010.5
NOV	24.7	32.9	74	4	25.6	003	160	0	1011.5
DEC	24.6	32.7	76	3	1.4	003	340	0	1012.5
TOTAL	299.4	390.4	925	136	2676.50	38		12	12118.40
MEAN	25.0	33	77	11	223.04	003	160		1009.8
NO. TC								12	

WD-Wind Direction,TC-Tropical Cyclone

LEGEND: TN- Minimum Temperature, TX- Maximum Temperature, RH- Relative Humidity, RD-Number of Rainy Days, RR- Amount of Rainfall, WS-Wind Speed,



2.8 NATURAL HAZARDS / CONSTRAINTS

➤ **NATURAL RISK AREAS**

Mangaldan is located in the Central Plain of Luzon specifically on the northern part of Pangasinan and forms part of the southern shores of the

Lingayen Gulf. The plain is bounded by a ring of inactive volcanoes to the south, some of which have been active within recorded history. There is a theoretical possibility that any of these may become active again but this is highly unlikely and too remote to justify being incorporated in these planning considerations. Mount Pinatubo that lies 95 km to the south and erupted in 1991 and 1992 ensued light ash fall in the municipality.

The Cayanga-Patalan River System between Mangaldan and San Fabian is one of the Allied River that discharges into the Lingayen Gulf. This river system carries sediments from mine tailings and eroded top soils from the highlands to the Lingayen Gulf. It has been noted that many fishponds become dry during the summer months. It is believed that siltation of the river beds is the cause of this problem.

Most of the area along the riverbanks is underlain by quaternary alluvial deposits, composed of sand, gravel and clay. The accumulation of sands and gravel are the result of repeated flooding and meandering of the rivers.

Ground deformations caused by the Luzon Earthquake of July 16, 1990 affected only the areas in Mangaldan along the river banks. A number of residential buildings were tilted at various degrees due to the liquefaction of their foundation soil. While in other cases, structural damages were also observed. The magnitude of the earthquake was 7.8 on the Richter scale. Not only were the loose alluvial deposits subjected to liquefaction during earthquakes but also the uncompacted man-made fills, placed in the fishponds and swampy areas. The liquefaction produced sand boils which were the most common evidence for the liquefaction phenomenon. Witnesses observed sand and water fountains a meter high or even greater.

Another considered natural risk areas are the flood and erosion prone areas along the northern most and eastern portions of the town which is being traversed by the Angalacan River and the Old Mangaldan River. Affected areas are 17 barangays namely:

Inlambo, Pogo, Palua, Salaan, Macayug, Tebag, Nibaliw, Embarcadero, Guiguilonen, Navaluan, Osiem, Landas, Guesang, Bantayan, Talogtog, Bateng and Maasin. The most affected of these are Barangays Inlambo, Macayug and Guesang as they become isolated during floods.

VULNERABLE AREAS/POPULATION

DESCRIPTION	AFFECTED AREAS	AFFECTED POPULATION	RECOMMENDATIONS
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1. Overflow of Flood Water along the Angalacan River	Guesang, David, Landas, Osiem, Embarcadero, Nibaliw, Salaan Inlambo, Palua& Pogo	28,000	Periodic Clearing; Protection
2. Overflow of Flood Water along Old Mangaldan River	Poblacion, Salay, Lanas, Maasin, Tebag, Salaan, Bantayan Talogtog and Bateng	32,000	Periodic Clearing; Protection
3. Barangays which have malnourished children (Rank 1-10 Priority)	Bateng, Tebag, Macayug, Landas, Pogo, Inlambo, Guesang, Navaluan Lanas&Nibaliw	205	Supplemental Feeding Nutrition Information Dissemination; Backyard Gardening
4. Banaoang Transfer Facility	Banaoang, Malabago	15,000	Implementation 9003

Source: MDCC Secretariat

CHAPTER III

POPULATION AND SOCIAL PROFILE

3.1 POPULATION SIZE AND GROWTH RATE

The study of population is required in planning so as to determine the size of human resources in a locality and ascertain their various needs and consider their interests and traits for the economic growth, structure, distribution, density, composition and change due to births, deaths, immigration, separation, divorce and other socio-economic characteristics and the cause and consequences of those factors. Likewise, the age of the population determines potential labor force and identifies the areas with considerable unemployment rates.

The Municipality of Mangaldan, Pangasinan experienced the fastest increase in population in 1948 based on census of Population and Housing as indicated by its average Annual Percent Change of 3.59 percent. Its lowest Annual Percent Change was observed in 1903 at 0.38 percent as shown in the following table:

Historical Growth of Population, Year 1903-2020				
Census Date	Population	Absolute Change	Census Year Interval	Annual Percent Change* (%)
May 2, 1903	15,841			
December 31, 1918	16,761	920	15	0.38
January 1, 1939	18,997	2,236	21	0.60
October 1, 1948	26,102	7,105	9	3.59
February 15, 1960	33,422	7,320	12	2.08
May 6, 1970	41,867	8,445	10	2.28
May 1, 1975	46,230	4,363	5	2.00/2.01
May 1, 1980	50,434	4,204	5	1.76
May 1, 1990	65,947	15,513	10	2.72
September 1, 1995	73,351	7,404	5	2.15
May 1, 2000	82,132	8,781	5	2.29
May 1, 2007	90,391	8,259	7	1.38
May 1, 2010	98,905	8,514	3	1.33
August 1, 2015	106,331	7,426	5	1.46
May 1, 2020	113,185	6,854	5	1.32

➤ Computed using Geometric Formula: $P_t = P_o (1+r)^t$

School Going Age Population: 2020 -2030

AGE GROUP	2020		2021	2022	2023	2024	2025
	Both Sexes	% to Total					
4-5 (Preparatory)	4735	11.53	4798	4860	4925	4990	5056
6-12 (Primary)	16670	40.58	16890	17113	17339	17568	17800
13-18 (Secondary)	11283	27.47	11432	11582	11735	11891	12048
19-22 (Tertiary)	8389	20.42	8500	8613	8726	8841	8957
TOTAL	41077	100.00	41620	42168	42725	43290	43861
AGE GROUP	2026	2027	2028	2029	2030		
4-5 (Preparatory)	5123	5214	5258	5329	5398		
6-12 (Primary)	18034	18357	18515	18758	19006		

13-18 (Secondary)	12208	12425	12531	12695	12863
19-22 (Tertiary)	9075	9239	9318	9443	9566
TOTAL	44440	45235	45622	46225	46833

Source: NSO Census Base Year 2020
OMPDC MPT Projections

CURRENT EDUCATION SYSTEM USED SINCE JUNE 6, 2011			
School	Grades	Age	Implementation status
Elementary school	Kindergarten / Preparatory	4–6	Since 2011
	Grade 1	6–7	Since 2012
	Grade 2	7–8	Since 2013
	Grade 3	8–9	Since 2014
	Grade 4	9–10	Since 2015
	Grade 5	10–11	Since 2016
Junior high school	Grade 6	11–12	Since 2017
	Grade 7	12–13	Since 2012
	Grade 8	13–14	Since 2013
	Grade 9	14–15	Since 2014
Senior high school	Grade 10	15–16	Since 2015
	Grade 11	16–17	Since 2016
	Grade 12	17–18	Since 2017

Source: https://en.wikipedia.org/wiki/Education_in_the_Philippines

3.2 MIGRATION PATTERNS

Migration is the movement of people from one place in the world to another. Human patterns of movement reflect the conditions of a changing world and impact the cultural landscapes of both the places people leave and the places they settle.

People migrate for many different reasons. These reasons can be classified as economic, social, political or environmental: economic migration - moving to find work or follow a particular career path. ... political migration – moving for financial / business growth / work transfer – moving for educational advancement and many other reasons for migrating.

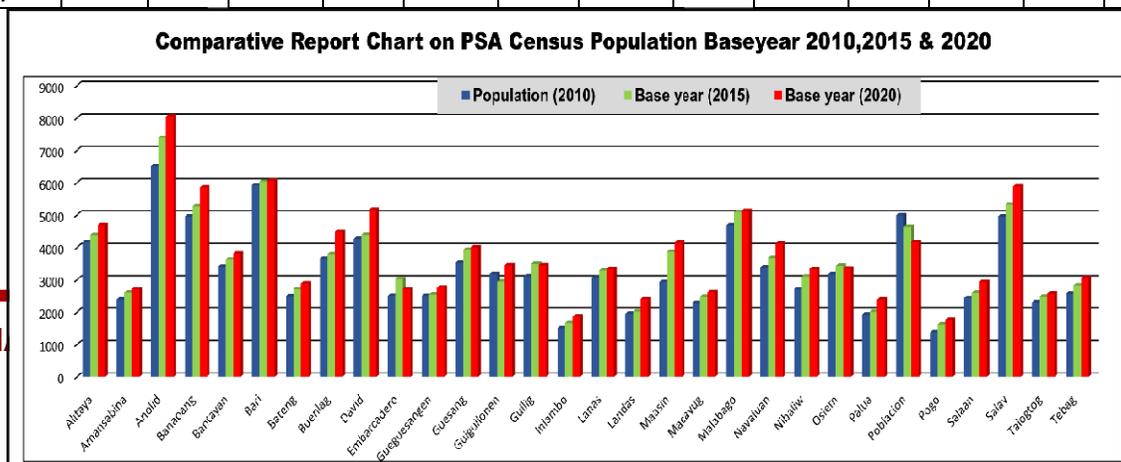
3.3 POPULATION

Barangay	Population(2010)	Baseyear (2015)	Baseyear(2020)
Alitaya	4160	4378	4687
Amansabina	2387	2609	2710
Anolid	6507	7393	8052
Banaoang	4958	5267	5857
Bantayan	3408	3633	3809
Bari	5925	6044	6071
Bateng	2501	2715	2889
Buenlag	3662	3787	4486
David	4275	4389	5164
Embarcadero	2512	3021	2718
Gueguesangen	2510	2551	2759
Guesang	3525	3935	4009
Guiguilonen	3180	2945	3452
Guilig	3113	3491	3452
Inlambo	1499	1673	1868
Lanas	3065	3285	3339
Landas	1958	2023	2400
Maasin	2934	3862	4146
Macayug	2287	2485	2617
Malabago	4679	5095	5131
Navaluan	3391	3678	4116
Nibaliw	2717	3105	3336
Osiem	3178	3437	3348
Palua	1932	2013	2387
Poblacion	4992	4639	4173
Pogo	1380	1631	1758
Salaan	2438	2598	2934
Salay	4958	5331	5884
Talogtog	2303	2486	2574
Tebag	2571	2832	3059
Total	98905	106331	113185

PSA CENSUS – MANGALDAN BY BASEYEAR

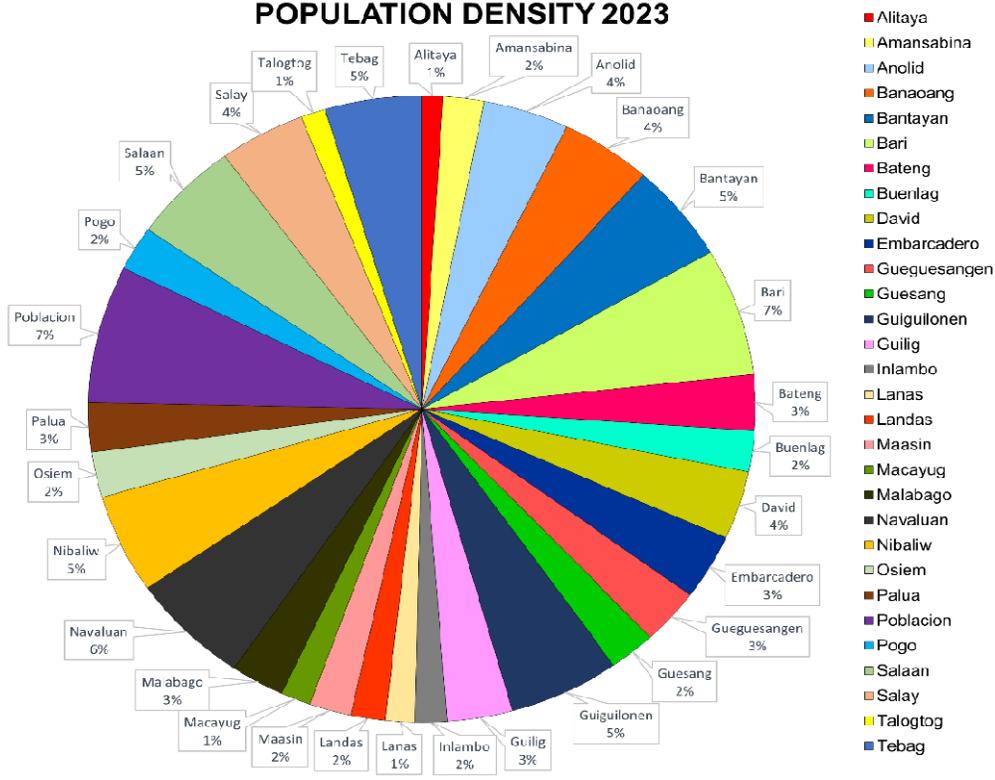
POPULATION DENSITY (2020-2025)

Barangay	AREA (HAS)	Population (Baseyear 2020)		2021		2022		2023		2024		2025	
		BOTH	Pop Density	BOTH	Pop Density	BOTH	Pop Density	BOTH	Pop Density	BOTH	Pop Density	BOTH	Pop Density
Alitaya	540.41	4687	8.67	4749	8.79	4812	8.90	4875	9.02	4939	9.14	5005	9.26



Amansabina	161.03	2710	16.83	2746	17.05	2782	17.28	2819	17.50	2856	17.74	2894	17.97
Anolid	226.43	8052	35.56	8158	36.03	8266	36.51	8375	36.99	8486	37.48	8598	37.97
Banaoang	153.76	5857	38.09	5934	38.59	6013	39.10	6092	39.62	6172	40.14	6254	40.67
Bantayan	87.75	3809	43.41	3859	43.98	3910	44.56	3962	45.15	4014	45.75	4067	46.35
Bari	107.95	6071	56.24	6151	56.98	6232	57.73	6315	58.50	6398	59.27	6482	60.05
Bateng	117.51	2889	24.59	2927	24.91	2966	25.24	3005	25.57	3045	25.91	3085	26.25
Buenlag	248.17	4486	18.08	4545	18.31	4605	18.56	4666	18.80	4728	19.05	4790	19.30
David	171.51	5164	30.11	5232	30.51	5301	30.91	5371	31.32	5442	31.73	5514	32.15
Embarcadero	94.19	2718	28.86	2754	29.24	2790	29.62	2827	30.01	2864	30.41	2902	30.81
Gueguesangen	112.43	2759	24.54	2795	24.86	2832	25.19	2870	25.52	2908	25.86	2946	26.20
Guesang	205.95	4009	19.47	4062	19.72	4116	19.98	4170	20.25	4225	20.51	4281	20.79
Guiguilonen	74.79	3452	46.16	3498	46.77	3544	47.38	3591	48.01	3638	48.64	3686	49.28
Guilig	127.55	3452	27.06	3498	27.42	3544	27.78	3591	28.15	3638	28.52	3686	28.90
Inlambo	142.39	1868	13.12	1893	13.29	1918	13.47	1943	13.65	1969	13.83	1995	14.01
Lanas	274.2	3339	12.18	3383	12.34	3428	12.50	3473	12.67	3519	12.83	3565	13.00
Landas	167.79	2400	14.30	2432	14.49	2464	14.68	2496	14.88	2529	15.07	2563	15.27
Maasin	239.59	4146	17.30	4201	17.53	4256	17.76	4312	18.00	4369	18.24	4427	18.48
Macayug	209.67	2617	12.48	2652	12.65	2687	12.81	2722	12.98	2758	13.15	2794	13.33
Malabago	230.75	5131	22.24	5199	22.53	5267	22.83	5337	23.13	5407	23.43	5479	23.74
Navaluan	82.47	4116	49.91	4170	50.57	4225	51.24	4281	51.91	4338	52.60	4395	53.29
Nibaliw	76.15	3336	43.81	3380	44.39	3425	44.97	3470	45.57	3516	46.17	3562	46.78
Osiem	167.07	3348	20.04	3392	20.30	3437	20.57	3482	20.84	3528	21.12	3575	21.40
Palua	110.19	2387	21.66	2419	21.95	2450	22.24	2483	22.53	2516	22.83	2549	23.13
Poblacion	68.65	4173	60.79	4228	61.59	4284	62.40	4340	63.23	4398	64.06	4456	64.91
Pogo	89.99	1758	19.54	1781	19.79	1805	20.05	1829	20.32	1853	20.59	1877	20.86
Salaan	65.47	2934	44.81	2973	45.41	3012	46.01	3052	46.61	3092	47.23	3133	47.85
Salay	164.97	5884	35.67	5962	36.14	6040	36.61	6120	37.10	6201	37.59	6283	38.08
Talogtog	252.81	2574	10.18	2608	10.32	2642	10.45	2677	10.59	2713	10.73	2748	10.87
Tebag	76.19	3059	40.15	3099	40.68	3140	41.22	3182	41.76	3224	42.31	3266	42.87
Total (GR: 1.32%)	4847.78	113185	23.35	114679	23.66	116193	23.97	117727	24.28	119281	24.61	120855	24.93

POPULATION DENSITY 2023



Barangay	Population (Baseyear 2020)	2021 1	2022 2	2023 3	2024 4	2025 5	2026 6
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	Pop	# of HHs												
Alitaya	4687	937	4749	950	4812	962	4875	975	4939	988	5005	1001	5071	1014
Amansabina	2710	542	2746	549	2782	556	2819	564	2856	571	2894	579	2932	586
Anolid	8052	1610	8158	1632	8266	1653	8375	1675	8486	1697	8598	1720	8711	1742
Banaoang	5857	1171	5934	1187	6013	1203	6092	1218	6172	1234	6254	1251	6336	1267
Bantayan	3809	762	3859	772	3910	782	3962	792	4014	803	4067	813	4121	824
Bari	6071	1214	6151	1230	6232	1246	6315	1263	6398	1280	6482	1296	6568	1314
Bateng	2889	578	2927	585	2966	593	3005	601	3045	609	3085	617	3125	625
Buenlag	4486	897	4545	909	4605	921	4666	933	4728	946	4790	958	4853	971
David	5164	1033	5232	1046	5301	1060	5371	1074	5442	1088	5514	1103	5587	1117
Embarcadero	2718	544	2754	551	2790	558	2827	565	2864	573	2902	580	2940	588
Gueguesangen	2759	552	2795	559	2832	566	2870	574	2908	582	2946	589	2985	597
Guesang	4009	802	4062	812	4116	823	4170	834	4225	845	4281	856	4337	867
Guiguilonen	3452	690	3498	700	3544	709	3591	718	3638	728	3686	737	3735	747
Guilig	3452	690	3498	700	3544	709	3591	718	3638	728	3686	737	3735	747
Inlambo	1868	374	1893	379	1918	384	1943	389	1969	394	1995	399	2021	404
Lanas	3339	668	3383	677	3428	686	3473	695	3519	704	3565	713	3612	722
Landas	2400	480	2432	486	2464	493	2496	499	2529	506	2563	513	2596	519
Maasin	4146	829	4201	840	4256	851	4312	862	4369	874	4427	885	4485	897
Macayug	2617	523	2652	530	2687	537	2722	544	2758	552	2794	559	2831	566
Malabago	5131	1026	5199	1040	5267	1053	5337	1067	5407	1081	5479	1096	5551	1110
Navaluan	4116	823	4170	834	4225	845	4281	856	4338	868	4395	879	4453	891
Nibaliw	3336	667	3380	676	3425	685	3470	694	3516	703	3562	712	3609	722
Osiem	3348	670	3392	678	3437	687	3482	696	3528	706	3575	715	3622	724
Palua	2387	477	2419	484	2450	490	2483	497	2516	503	2549	510	2582	516
Poblacion	4173	835	4228	846	4284	857	4340	868	4398	880	4456	891	4515	903
Pogo	1758	352	1781	356	1805	361	1829	366	1853	371	1877	375	1902	380
Salaan	2934	587	2973	595	3012	602	3052	610	3092	618	3133	627	3174	635
Salay	5884	1177	5962	1192	6040	1208	6120	1224	6201	1240	6283	1257	6366	1273
Talogtog	2574	515	2608	522	2642	528	2677	535	2713	543	2748	550	2785	557
Tebag	3059	612	3099	620	3140	628	3182	636	3224	645	3266	653	3309	662
Mangaldan Total (GR: 1.32%)	113185	22637	114679	22936	116193	23239	117727	23545	119281	23856	120855	24171	122450	24490

3.4 HOUSEHOLD DISTRIBUTIONS

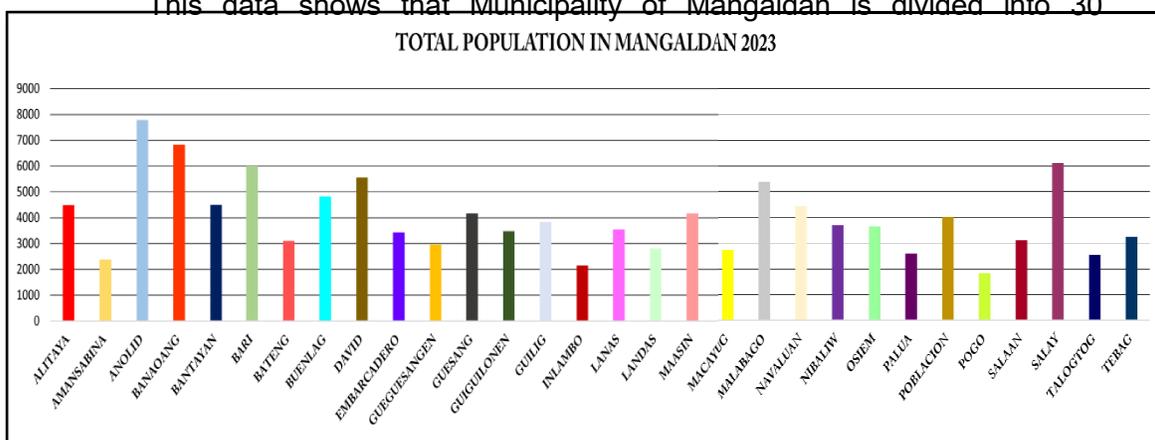
Source: PSA Actual Census 2020 &MPT Computation- GR 1.32% (5 Members of the Family)

3.5 BHW BARANGAY HOUSEHOLD PROFILING SURVEY

BARANGAY	MALE	FEMALE	TOTAL
ALITAYA	2300	2184	4484
AMANSABINA	1223	1158	2380
ANOLID	3889	3892	7779
BANAOANG	3423	3427	6827
BANTAYAN	2436	2051	4494
BARI	3123	2886	6008
BATENG	1568	1527	3095
BUENLAG	2446	2378	4824
DAVID	2859	2697	5556
EMBARCADERO	1670	1671	3426
GUEGUESANGEN	1479	1478	2956
GUESANG	2083	2081	4164
GUIGUILONEN	1721	1753	3474
GUILIG	1936	1895	3831
INLAMBO	1120	1030	2150
LANAS	1852	1693	3545
LANDAS	1415	1397	2812
MAASIN	2110	2052	4162
MACAYUG	1389	1360	2749
MALABAGO	2670	2725	5395
NAVALUAN	2231	2209	4440
NIBALIW	1750	1750	3689
OSIEM	1853	1853	3646
PALUA	1367	1224	2591
POBLACION	1975	2059	4034
POGO	931	902	1833
SALAAN	1605	1513	3118
SALAY	3023	3108	6131
TALOGTOG	1263	1285	2548
TEBAG	1635	1595	3230
TOTAL	60,345	58,478	119,371

Source: Barangay BHW in Mangaldan

This data shows that Municipality of Mangaldan is divided into 30



barangays, with a total population of **119,371**.

3.6 URBAN-RURAL DISTRIBUTIONS

Region, Province, Highly Urbanized City, City/Municipality, and Urban Barangay	Urban Population		Category	
	2015	2010	2015	2010
MANGALDAN	40,767	38,681		
Amansabina	2,609	2,387	3	
Anolid	7,393	6,507	1	1
Banaoang	5,267	4,958	1	
Bari	6,044	5,925	1	1
David	4,389	4,275	2	
Malabago	5,095	4,679	1	
Poblacion	4,639	4,992	3	3
Salay	5,331	4,958	1	

BARANGAYS	CODE	URBAN/ RURAL	POPULATION (2015 CENSUS)
ALITAYA	15526001	Rural	4,378
AMANSABINA	15526002	Rural	2,609
ANOLID	15526003	Urban	7,393
BANAOANG	15526004	Rural	5,267
BANTAYAN	15526005	Rural	3,633
BARI	15526006	Urban	6,044
BATENG	15526007	Rural	2,715
BUENLAG	15526008	Rural	3,787
DAVID	15526009	Rural	4,389
EMBARCADERO	15526010	Rural	3,021
GUEGUESANGEN	15526011	Rural	2,551
GUESANG	15526012	Rural	3,935
GUIGUILONEN	15526013	Rural	2,945
GUILIG	15526014	Rural	3,491
INLAMBO	15526015	Rural	1,673
LANAS	15526016	Rural	3,285
LANDAS	15526017	Rural	2,023
MAASIN	15526018	Rural	3,862
MACAYUG	15526019	Rural	2,485
MALABAGO	15526020	Rural	5,095
NAVALUAN	15526021	Rural	3,678
NIBALIW	15526022	Rural	3,105
OSIEM	15526023	Rural	3,437
PALUA	15526024	Rural	2,013
POBLACION	15526025	Urban	4,639
POGO	15526026	Rural	1,631
SALAAAN	15526027	Rural	2,598
SALAY	15526028	Rural	5,331
TALOGTOG	15526030	Rural	2,486
TEBAG	15526029	Rural	2,832

3.7 TEMPO OF URBANIZATION

Under the codes and classification of the Philippine Standard Geographic Code (PSGC), PSA 2015, the 30 barangays were classified as urban and rural (Reference:<https://psa.gov.ph/classification/psgc/?q=psgc/barangays/01552600>).

3.8 AGE- SEX DISTRIBUTION (BASEYEAR 2020)

Age Group	2020 Projected M / F			2021			2022			2023		
	Male	Female	TOTAL	Male	Female	TOTAL	Male	Female	TOTAL	Male	Female	TOTAL
MANGALDAN, PANGASINAN												
Under 1	1267	955	2222	1283	967	2251	1300	980	2281	1318	993	2311
1 to 4	4889	4429	9318	4954	4488	9441	5019	4547	9566	5085	4607	9692
5 to 9	6332	5694	12026	6416	5769	12185	6501	5845	12346	6587	5922	12509
10 to 14	6041	5707	11747	6121	5782	11902	6201	5858	12060	6283	5936	12219
15 to 19	5763	5403	11166	5839	5475	11314	5916	5547	11463	5994	5620	11614
20 to 24	5246	5015	10260	5315	5081	10396	5385	5148	10533	5456	5216	10672
25 to 29	4582	4429	9012	4643	4488	9131	4704	4547	9251	4766	4607	9373
30 to 34	4369	4099	8468	4426	4153	8579	4485	4208	8693	4544	4264	8808
35 to 39	4092	3797	7889	4146	3847	7993	4201	3898	8098	4256	3949	8205
40 to 44	3444	3190	6634	3489	3232	6721	3535	3275	6810	3582	3318	6900
45 to 49	3060	2868	5928	3101	2906	6007	3142	2944	6086	3183	2983	6166
50 to 54	2486	2430	4916	2518	2462	4980	2552	2495	5046	2585	2528	5113
55 to 59	1975	2047	4022	2001	2074	4075	2027	2101	4128	2054	2129	4183
60 to 64	1539	1713	3252	1560	1735	3295	1580	1758	3338	1601	1781	3382
65 to 69	1092	1493	2586	1107	1513	2620	1121	1533	2654	1136	1553	2689
70 to 74	641	924	1565	649	936	1585	658	949	1606	667	961	1628
75 to 79	407	737	1143	412	746	1158	417	756	1174	423	766	1189
80 &above	310	723	1033	314	732	1046	318	742	1060	322	752	1074
All Ages	57533	55652	113185	58292	56387	114679	59062	57131	116193	59841	57885	117727
TOTAL	113185			114679			116193			117727		

2024			2025			2026		
Male	Female	TOTAL	Male	Female	TOTAL	Male	Female	TOTAL
1335	1006	2341	1,362	1,027	2,389	1,382	1,042	2,423
5152	4668	9820	5,257	4,762	10,019	5,333	4,832	10,165
6674	6000	12674	6,808	6,122	12,930	6,908	6,211	13,119
6366	6014	12380	6,495	6,135	12,630	6,590	6,225	12,815
6073	5694	11768	6,196	5,809	12,005	6,287	5,894	12,181
5528	5285	10813	5,640	5,392	11,032	5,722	5,470	11,193
4829	4668	9497	4,927	4,762	9,689	4,999	4,832	9,831
4604	4320	8924	4,697	4,407	9,104	4,765	4,472	9,237
4312	4001	8314	4,399	4,082	8,482	4,464	4,142	8,605
3629	3362	6991	3,702	3,430	7,132	3,756	3,480	7,236
3225	3022	6247	3,290	3,083	6,374	3,338	3,128	6,467
2619	2561	5180	2,672	2,613	5,285	2,711	2,651	5,362
2081	2157	4238	2,123	2,201	4,324	2,154	2,233	4,387
1622	1805	3427	1,655	1,841	3,496	1,679	1,868	3,547
1151	1574	2725	1,174	1,606	2,780	1,191	1,629	2,820
675	974	1649	689	993	1,682	699	1,008	1,707
429	776	1205	437	792	1,229	444	804	1,247

326	762	1088	333	777	1,110	338	788	1,126
60631	58649	119281	1,362	1,027	2,389	1,382	1,042	2,423
119281			121,692			123,469		

3.9 HEALTH

➤ **Health Personnel and Facilities, Public & Private**

Municipal Health Office and Infirmary consist of 57 medical and non-medical personnel (Permanent & Job Orders). Local permanent midwives were assigned on different Barangay Health Stations/Centers and at the same time rendering scheduled night shift duties at the infirmary.

There are two (2) **Rural Health Units (RHU)**, 1 **Urgent Care Clinic/Infirmary/Maternity Clinic**, 30 **Barangay Health Stations (BHS)**. Likewise, all thirty (30) Barangay Health Stations has been distributed or functioning to all 30 barangays.

16 Barangay Health Stations that are connected to Barangay Halls

1. Amansabina Barangay Health Station
2. Anolid Barangay Health Station
3. Bari Barangay Health Station
4. Bateng Barangay Health Station
5. David Barangay Health Station
6. Embarcadero Barangay Health Station
7. Guesang Barangay Health Station
8. Guilig Barangay Health Station
9. Guiguilonen Barangay Health Station
10. Lanas Barangay Health Station
11. Macayug Barangay Health Station
12. Malabago Barangay Health Station
13. Navaluan Barangay Health Station
14. Nibaliw Barangay Health Station
15. Pogo Barangay Health Station
16. Salay Barangay Health Station

Other health services are provided by 31 private clinics - 11 medical clinics, 6 midwife/birthing clinics, 5 dental clinics, 4 optical clinics, 1 ultrasound clinic, 1 children’s clinic, 1 OB-Gyne clinic, 1 skin clinic, and 1 clinical laboratory.

HEALTH AND NUTRITION

Vital Health Indices	CY 2023		2022	
	Male	Female	Male	Female
Total Birth	176	180	280	299
Total Death				
Infant Death	5	1	0	0
Neonatal Death	0	1	1	2
Maternal Death				
Crude Birth Rate	1.52%	1.55%	1.54%	2.62%
Crude Death Rate				
Infant Mortality Rate				
Neonatal Mortality Rate				
Maternal Mortality Rate				

Contraceptive Prevalence Rate		56.13%		45.09%
Over-All Mortality Rate	211	195	201	183

Source: Municipal Nutrition Committee, 2023

NUTRITIONAL STATUS OF PRESCHOOLERS 2023				
NUTRITIONAL STATUS	Number of School Children			Percentage
	Male	Female	Total	
Estimated No. of Preschool Children			11,670	
Actual No. of Preschool Children	5,114	4,885	9,999	85.7
Total # of Identified Preschool Children with Normal Weight	5,103	4,877	9,980	99.81
Total # of Identified Wasted Preschool Children	13	3	16	0.16
Total # of Identified Severely Wasted Preschool Children	0	0	0	0
Total # of Identified Severely Stunted and Stunted	10	10	20	0.20
Total # of Preschool Children Wasted and Severely Wasted	13	3	16	0.16
Total # of Identified Overweight Preschool Children	6	4	10	0.10
Total of Identified Obese Preschool Children	2	1	3	0.03

This data showed the overview of the nutritional status of the preschoolers in 2023.

GENERAL HEALTH SITUATION 2023			
HEALTH INDICATOR	2023		
	MALE	FEMALE	TOTAL
FERTILITY			
Crude Birth Rates (CBR) Rate No.	176	180	356
MORBIDITY			
General Medical/Consultative Rate No.	-	-	-
MORTALITY			
Crude Death Rate(CDR) Rate No.	-	-	-
Neo Natal Mortality Rate No.	1	1	2
Infant Mortality Rate(IMR) Rate No.	5	1	6

Maternal Mortality Rate (MMR) Rate No.	-	-	-
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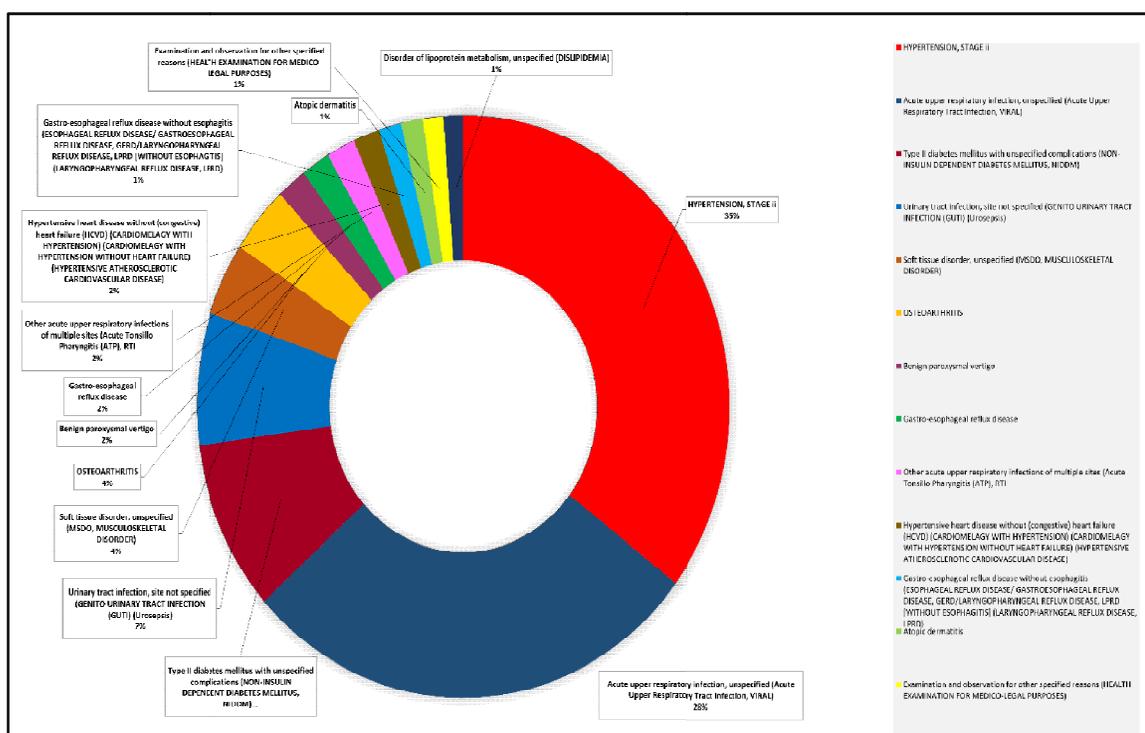
The data showed Health Indicator for the year 2023 where the total Crude Birth Rates (CBR) was 256 consist of 180 female and 76 male. The death within a year of life (Infant) has shown to be 6.

NUTRITIONAL STATUS OF PRESCHOOLERS 2023				
Nutritional Status	Number of Preschool Children			Percentage (%)
	Male	Female	Total	
Estimated No. of Preschool Children	-	-	11,670	-
Preschool Weighed	5,114	4,885	9,999	85.7
Severely Underweight	0	1	1	0.01
Underweight	10	5	15	0.15
Above Normal	1	2	3	0.03
Normal	5,103	4,877	9,950	99.81
Combine Severely Underweight and Underweight	10	16	26	0.16

TOP LEADING CAUSES OF MORBIDITY CY 2023					
CASES		2023			RATE
		RHU I & RHU II			
		Male	Female	Total	
1	HYPERTENSION, STAGE ii	236	359	595	35.4
2	Acute upper respiratory infection, unspecified (Acute Upper Respiratory Tract Infection, VIRAL)	208	263	471	28.0
3	Type II diabetes mellitus with unspecified complications (NON-INSULIN DEPENDENT DIABETES MELLITUS, NIDDM)	66	94	160	9.51
4	Urinary tract infection, site not specified (GENITO URINARY	40	83	123	7.31

	TRACT INFECTION (GUTI) (Urosepsis)				
5	Soft tissue disorder, unspecified (MSDO, MUSCULOSKELETAL DISORDER)	23	45	68	4.04
6	OSTEOARTHRITIS	23	40	63	3.74
7	Benign paroxysmal vertigo	10	21	31	1.84
8	Gastro-esophageal reflux disease	12	17	29	1.72
9	Other acute upper respiratory infections of multiple sites (Acute Tonsillo Pharyngitis (ATP), RTI)	12	17	29	1.72
1 0	Hypertensive heart disease without (congestive) heart failure (HCVD) (CARDIOMELAGY WITH HYPERTENSION) (CARDIOMELAGY WITH HYPERTENSION WITHOUT HEART FAILURE) (HYPERTENSIVE ATHEROSCLEROTIC CARDIOVASCULAR DISEASE)	12	15	27	1.61
1 1 1	Gastro-esophageal reflux disease without esophagitis (ESOPHAGEAL REFLUX DISEASE/ GASTROESOPHAGEAL REFLUX DISEASE, GERD/LARYNGOPHARYNGE AL REFLUX DISEASE, LPRD [WITHOUT ESOPHAGITIS] (LARYNGOPHARYNGEAL REFLUX DISEASE, LPRD)	7	16	23	1.4
1 2	Atopic dermatitis	14	8	22	1.31
1 3	Examination and observation for other specified reasons (HEALTH EXAMINATION FOR MEDICO-LEGAL PURPOSES)	14	7	21	1.25
1 4	Disorder of lipoprotein metabolism, unspecified (DISLIPIDEMIA)	4	16	20	1.2
Total Cases Seen		681	1,001	1,682	282.21

Source: Municipal Health Office



TOP LEADING CAUSES OF MORTALITY CY 2023					
CASES		2023			RATE
		RHU I & RHU II			
		Male	Female	Total	
1	ARTHEROSCLEROSIS	91	93	184	51.54
2	HYPERTENSION	33	31	64	18
3	CHRONIC KIDNEY DISEASE	9	11	20	6
4	HYPERTENSIVE CARDIOVASCULAR DISEASE	9	7	16	4.5
5	CONGESTIVE HEART FAILURE	7	5	12	3.4
6	BREAST CANCER	0	10	10	2.80
7	CARDIOVASCULAR DISEASE	4	5	9	2.52
8	LIVER CIRRHOSIS	8	1	9	2.52
9	BRONCHIAL ASTHMA	5	2	7	2
10	PULMONARY TUBERCULOSIS	6	1	7	2
11	VEHICULAR ACCIDENT	5	2	7	2
12	ACUTE MYOCARDIAL INFARCTION	4	2	6	1.7
13	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	5	1	6	1.7
TOTAL CASES SEEN		186	171	357	100.68

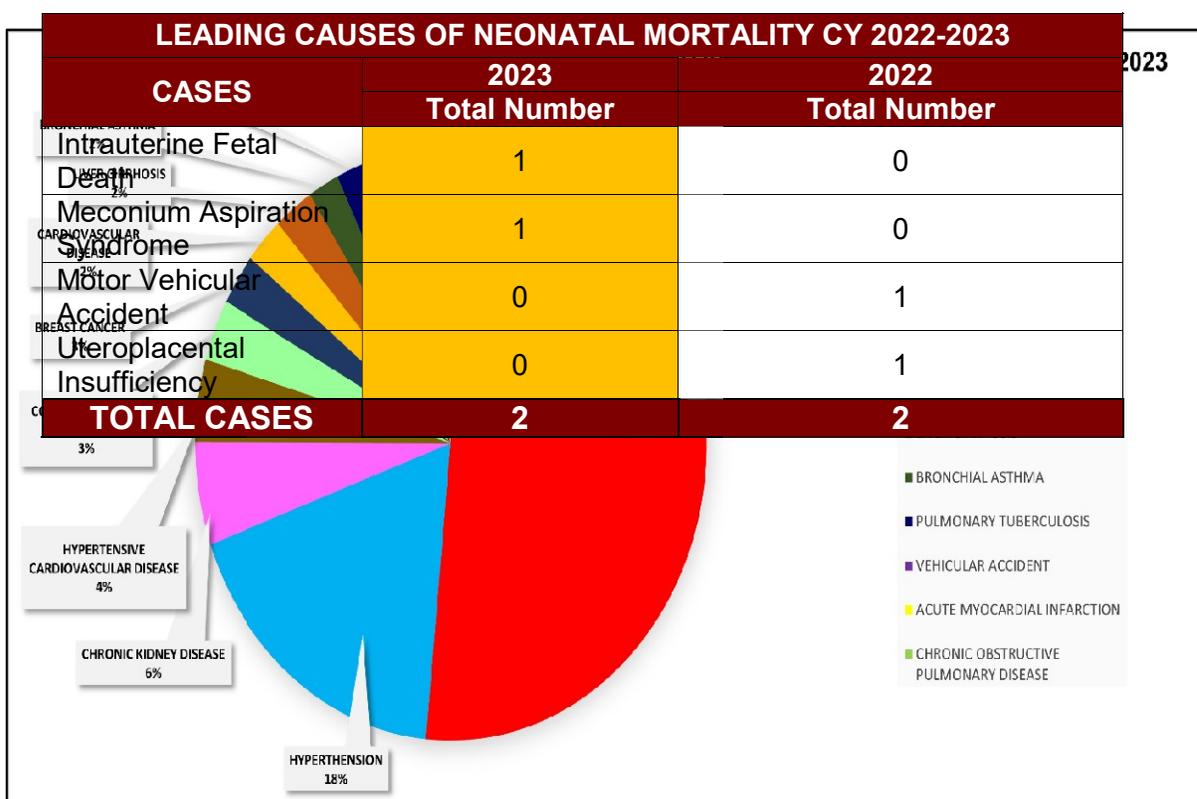
Source: Municipal Health Office

EPIDEMIC / PANDEMIC OCCURRENCE FOR THE LAST FIVE (5) YEARS, 2022-2023				
Year	2023		2022	
Epidemic/Pandemic	No. of Cases	No. of Deaths	No. of Cases	No. of Deaths
Covid 19	57	2	469	13
TOTAL	57	2	469	13



The data provided pertains specifically to the COVID 19 pandemic that occurred in the aforementioned years. Based on the data the total number of cases for five-year period is 526 with 15 deaths.

CASES	BARANGAY	2022	2023
Meconium Aspiration Pneumonia	Anolid	2	0
Respiratory Distress Syndrome	Lanas, Palua	1	1
Severe Prematurity	Landas	0	1
Sudden Cardiac Death	Landas	1	0
Tension Pneumothorax	Nibaliw	1	0
Neonatal Sepsis	Tebag	1	0
Neonatal Pneumonia	Osiem	1	0



Source: MHO – RHU 1 & 2 2023

Source: Municipal Health Office

LEADING CAUSES OF INFANT MORTALITY CY 2022-2023					
CASES		2023		2022	
		No.	Rate	No.	Rate
1	Edward Syndrome	1	17	0	0
2	Hypovolemic Shock	1	17	0	0
3	Intrauterine Fetal Death	1	17	0	0
4	Septic Shock	1	17	0	0
5	Sudden Infant Death Syndrome (SIDS)	1	17	0	0
6	Uteroplacental Insufficiency	1	17	0	0
TOTAL NUMBER OF INFANT DEATHS		6	102	0	0

No. of Married Women of Reproductive Age, No. of Family Planning Users (all methods), Contraceptive Prevalence Rate, No. of High-Risk Women		
HEALTH INDICATOR	2023	2022
No. of Married Women of Reproductive Age	14,824	14,500
No. of Family Planning Users (all methods)	8,321	6,538
Contraceptive Prevalence Rate	56.13%	45.09%
No. of High-Risk Women	1,428	1,190

STATICS ON ENVIRONMENTAL HEALTH SERVICES EXCRETA DISPOSAL FACILITIES 2017-2021									
YEAR	POPULATION	HOUSEHOLD	FLUSH	WATER SEALED	UNSAN, TOILET	WITHOUT TOILET	SHARING	NO. H.H. W/ SAN. TOILET	PERCENTAGE (%)
2023	115,458	28,054	2,611	23,964		1,481		26,575	94.73%
2022	113,878	25,105	1,471	22,840		794		24,311	96.84%



STATISTICS ON ENVIRONMENTAL HEALTH SERVICES WATER SUPPLY SOURCES FACILITIES



YEAR	POPULATION	HOUSEHOLD	PUBLIC DEEP WELL	PRIVATE DEEP WELL	SHALLOW/ PRIVATE	MAWAD	NO. H.H. W/ ACCESS TO SAFE WATER	PERCENTAGE (%)
2023	115,458	28,054	893	1,608	1,068	14,647	26,803	95.54%
2022	113,878	25,105	630	1,477	771	13,849	24,561	97.43%

Source: Municipal Health Office

These figures give a general idea of how hygienic restrooms and excreta disposal facilities were doing in the specified years. With a minor decline in the number of homes without toilets and an increase in the number of households with flush (water sealed) toilets, it looks that the percentage of households with sanitary toilets has increased between 2022 and 2023.

This data appears to provide information on the sources of water supply and their accessibility to the population and households in a certain area, presumably in the Philippines, over the years 2022 and 2023.

SOCIO- ECONOMIC/ ECOLOGICAL PROFILE 2023

Barangay	Population	Household	WITH SANITARY TOILET FACILITIES				WITH UNSANITARY TOILET FACILITIES			
			Flush	Water Sealed	No. of HHs w/ San. Toilet	Percentage (%)	Unsan. Toilet	Without Toilet	No. of HHs w/ out San. Toilet	Percentage (%)
Alitaya	4782	1,124	40	1,030	1,070	95.20		54	54	4.80
Amansabina	2771	622	34	555	589	94.69		33	33	5.31
Anolid	8209	1,967	82	1,790	1,872	95.17		93	93	4.73
Banaoang	5978	1,390	235	1,078	1,313	94.46		77	77	5.54
Bantayan	3885	999	99	847	946	94.69		53	53	5.31
Bari	6192	1,451	38	1,328	1,366	94.14		85	85	5.86
Bateng	2949	676	47	590	637	94.23		39	39	5.77
Buenlag	4569	1,077	72	948	1,020	94.71		57	57	5.29
David	5264	1243	86	1,100	1,186	95.41		57	57	4.59
Embarcadero	2778	639	35	570	605	94.68		34	34	5.32
Gueguesangen	2817	681	40	602	642	94.27		39	39	5.73
Guesang	4097	962	31	880	911	94.70		51	51	5.30
Guiguilonen	3524	959	14	882	896	93.43		63	63	6.57
Guilig	3524	778	130	605	735	94.47		43	43	5.53
Inlambo	1906	465	29	406	435	93.55		30	30	6.45
Lanas	3403	785	132	608	740	94.27		45	45	5.73
Landas	2450	607	33	538	571	94.07		36	36	5.93
Maasin	4228	1,096	40	998	1,038	94.71		58	58	5.29
Macayug	2671	674	31	602	633	93.92		41	41	6.08
Malabago	5236	1,344	230	1,040	1,270	94.49		74	74	5.51
Navaluan	4202	1,094	29	1,005	1,034	94.52		60	60	5.48
Nibaliw	3402	855	94	722	816	95.44		39	39	4.56
Osiem	3413	825	34	744	778	94.30		47	47	5.70
Palua	2430	628	26	566	592	94.27		36	36	5.73
Poblacion	4257	964	340	600	940	97.51		24	24	2.49
Pogo	1786	485	63	405	468	96.49		17	17	3.51
Salaan	2989	720	136	542	678	94.16		42	42	5.83
Salay	6000	1,503	246	1,188	1,434	95.41		69	69	4.59
Talogtog	2626	660	38	585	623	94.39		37	37	5.61
Tebag	3120	783	127	610	737	94.13		46	46	5.87
TOTAL	115458	28,054	2,611	23,964	26,575	94.73%		1,479	1,479	5.27%

The data showed the sanitary toilet facilities that are available in various barangays.

SOCIO- ECONOMIC/ ECOLOGICAL PROFILE 2023

STATISTICS ON ENVIRONMENTAL HEALTH SERVICES WATER SUPPLY SOURCES FACILITIES CY 2023									
Barangay	Population	Household	SAFE WATER SOURCES				UNSAFE WATER SOURCES		
			Public Deep Well	Private Deep Well	MAWAD	No. of HH. w/ Access to Safe Water	Percentage (%)	Shallow/Private	No. of HHs w/ Access to Unsafe Water
Alitaya	4,782	1,124	10	28	423	1069	4.89	56	55
Amansabina	2,771	622	3	4	417	602	3.22	60	20
Anolid	8,209	1,967	20	25	1,077	1887	4.07	3	80
Banaoang	5,978	1,390	9	5	899	1338	3.74	75	52
Bantayan	3,885	999	55	106	452	952	4.70	15	47
Bari	6,192	1,451	13	11	934	1400	3.51	22	51
Bateng	2,949	676	50	134	227	645	4.59	13	31
Buenlag	4,569	1,077	51	85	604	1036	3.80	0	41
David	5,264	1,243	31	92	622	1187	4.51	75	56
Embarcadero	2,778	639	6	35	350	610	4.54	20	29
Gueguesangen	2,817	681	0	147	401	649	4.70	31	32
Guesang	4,097	962	4	52	375	919	4.47	135	43
Guiguilonen	3,524	959	9	24	580	910	5.11	35	49
Guilig	3,524	778	13	11	532	737	5.27	22	41
Inlambo	1,906	465	26	114	76	440	5.38	32	25
Lanas	3,403	785	48	43	335	741	5.61	1	44
Landas	2,450	607	23	29	350	574	5.44	51	33
Maasin	4,228	1,096	25	46	567	1044	4.74	0	52
Macayug	2,671	674	13	68	248	638	5.34	0	36
Malabago	5,236	1,344	1	2	768	1273	5.28	29	71
Navaluan	4,202	1,094	3	5	494	1040	4.94	159	54
Nibaliw	3,402	855	29	54	352	811	5.15	28	44
Osiem	3,413	825	20	32	520	780	5.45	141	45
Palua	2,430	628	133	99	185	600	4.46	4	26
Poblacion	4,257	964	7	5	964	964	0	7	0
Pogo	1,786	485	130	30	148	463	4.54	0	22
Salaan	2,989	720	47	115	361	681	5.42	8	39
Salay	6,000	1,503	38	56	735	144	4.13	0	62
Talogtog	2,626	660	42	89	283	630	4.51	0	30
Tebag	3,120	783	34	62	368	742	5.24	9	41
TOTAL	115,458	28,054	893	1,608	14,647	26,803	4.47%	1,031	1,253

The data provides a detailed picture of the state of water supply in each barangay. It's clear that while many households have access to safe water, there are still a significant number that rely on unsafe water sources.

STATISTICS ON ENVIRONMENTAL HEALTH SERVICES (Sanitary Report) /SOLID WASTE MANAGEMENT CY 2023

Barangay	Population	Household	SOLID WASTE MANAGEMENT						Percentage (%)
			Composting	Burying	Pick-up by Truck	Open Dumping	Open Burning	HHs w/ Satisfactory Garbage Disposal	
Alitaya	4,782	1,124	596	464		28	36	1,060	94.31
Amansabina	2,771	622	245	349		13	15	594	95.50
Anolid	8,209	1,967	334	351	1,200	40	42	1,885	95.83
Banaoang	5,978	1,390	268	179	862	34	47	1,309	94.17
Bantayan	3,885	999	420	515		46	18	935	93.59
Bari	6,192	1,451	168	185	1,025	48	25	1,378	94.97
Bateng	2,949	676	309	318		21	28	627	92.75
Buenlag	4,569	1,077	406	450	158	31	32	1,014	94.15
David	5,264	1,243	577	602		28	36	1,179	94.85
Embarcadero	2,778	639	271	188	142	11	27	601	94.05
Gueguesangen	2,817	681	305	333		25	18	638	93.69
Guesang	4,097	962	492	415		23	32	907	94.28
Guiguilonen	3,524	959	203	312	385	31	28	900	93.85
Guilig	3,524	778	105	102	522	22	27	729	93.70
Inlambo	1,906	465	287	146		10	22	433	93.12
Lanas	3,403	785	482	254		24	25	736	93.76
Landas	2,450	607	323	247		17	20	570	93.90
Maasin	4,228	1,096	602	424		30	40	1,026	93.61
Macayug	2,671	674	472	155		20	27	627	93.03
Malabago	5,236	1,344	193	178	880	45	48	1,251	93.08
Navaluan	4,202	1,094	605	407		37	45	1,012	92.50
Nibaliw	3,402	855	429	364		29	33	793	92.75
Osiem	3,413	825	360	410		25	30	770	93.33
Palua	2,430	628	398	192		18	20	590	93.95
Poblacion	4,257	964	30	12	899	10	13	941	97.61
Pogo	1,786	485	246	204		15	20	450	92.78
Salaan	2,989	720	400	279		18	23	679	94.31
Salay	6,000	1,503	958	465		30	50	1,423	94.68
Talogtog	2,626	660	363	250		22	25	613	92.88
Tebag	3,120	783	338	384		30	31	722	92.21
TOTAL	111,458	28,054	11,185	9,134	6,073	781	883	26,374	94.08%

Source: Municipal Health Office (Sanitary Report) /Solid Waste Management 2023

This data provides information on the methods of solid waste management used across different barangays in 2023. It includes information on composting, burying, pick-up by truck, open dumping, and open burning methods of waste disposal.

SOCIO- ECONOMIC/ ECOLOGICAL PROFILE 2023

Barangay	Projected Population (2018)	Total Number of Households	Number of Households with Satisfactory Garbage Disposal 2019							Number of Households with Unsatisfactory Garbage Disposal	
			Composting	Burying	Pick-up by Trucks	Open Dumping	Open Burying	HHs W/ Satisfactory Garbage Disposal	Percentage	HHs W/ Unsatisfactory Garbage Disposal	Percent (%)
.	4,584	1,046	440	549		25	20	989	94.55	57	5.45
Amansabina	2,732	623	234	354		25	22	588	94.38	35	1.28
Anolid	7,741	1,766	345	277	1,042	24	24	1,664	94.22	79	4.47
Banaoang	5,515	1,258	286	187	723	26	22	1,196	95.07	62	4.93
Bantayan	3,804	868	465	367		10	15	832	95.85	36	4.15
Bari	6,328	1,444	180	194	998	25	23	1,372	95.08	72	4.99
Bateng	2,843	649	357	260		11	10	617	95.06	32	4.93
Buenlag	3,965	905	388	478		24	24	866	95.69	39	4.31
David	4,595	1,048	440	565		23	20	1,005	95.9	43	4.10
Embarcadero	3,163	722	400	288		26	23	688	95.29	34	4.71
Gueguesangen	2,761	609	262	325		23	21	587	96.39	22	3.61
Guesang	4,120	940	500	399		24	22	899	95.64	41	4.36
Guiguilonen	3,083	703	156	194	325	25	24	675	96.01	28	3.98
Guilig	3,655	834	117	90	577	25	23	784	94.00	50	5.99
Inlambo	1,752	400	304	179		13	10	383	96.75	17	4.25
Lanas	3,439	785	480	286		15	11	766	97.58	19	2.42
Landas	2,118	483	210	243		24	22	453	93.79	30	6.21
Maasin	4,044	923	500	380		22	14	880	95.34	43	4.66
Macayug	2,602	594	355	220		16	11	575	96.8	19	3.20
Malabago	5,335	1,217	200	160	800	23	24	1,160	95.31	57	4.68
Navaluan	3,851	879	511	311		26	22	822	94.51	57	6.48
Nibaliw	3,251	742	370	330		26	23	700	94.33	42	5.66
Osiem	3,599	821	438	345		25	23	783	95.37	38	4.63
Palua	2,108	481	256	203		21	10	459	95.42	22	4.57
Poblacion	4,857	1,108	90	50	955	7	2	1,095	98.82	13	1.17
Pogo	1,709	390	195	177		20	10	372	95.38	18	4.62
Salaan	2,720	621	340	253		14	15	573	95.49	48	7.73
Salay	5,582	1,273	742	478		24	16	1,220	95.83	53	4.16
Talogtog	2,603	594	295	273		17	11	568	95.62	26	4.38
Tebag	2,965	677	200	440		23	24	640	94.53	37	5.47
TOTAL	111,331	25,400	10,056	8,755	5,420	634	535	24,231	95.40%	1,169	4.60%

Source: Municipal Health Office (Sanitary Report) / Solid Waste Management 2023

This data provides information on the methods of solid waste management used across different barangays in 2019. It includes information on composting, burying, pick-up by trucks, open dumping, open burying, and open burning methods of waste disposal.

PROGRAM / ACTIVITIES 2023	TOTAL	
	No.	%
A. Maternal Care		
1. Prenatal Care		
a. Prenatal Registration or AP seen on 1st visit	653	
b. AP with 4 visits or more prenatal visits	1,099	
c. AP with 2 doses of Tetanus Toxoid	211	
d. AP with TT2+	367	
B. Deliveries		
I. Post-Partum Care		
a. Postpartum women with at least 2 Postpartum visits	990	
b. Women initiated Breastfeeding with 1 hour after birth	356	
c. Infant's age 6 months seen	1,209	
d. Infant exclusively breastfeed until 6 months	1,068	
e. Infant referred for newborn screening	356	
C. Expanded Program on Immunization		
1. BCG	809	
2. PENTA		
1	1,575	
2	1,627	
3	1,695	
3. OPV		
1	1,553	
2	1,597	
3	1,516	
4. Measles	1,662	
5. Hepatitis B within 24 hours	654	
6. Fully Immunized Child	1,651	
7. MMR	1,748	
8. Pregnant Mothers: TT1	211	
	TT2	211
	TT3	367
	TT4	
	TT5	
Fully Immunized Mother		
D. Control on Acute Respiratory Infection		
a. Pneumonia cases 0-59 months seen	115	
b. Pneumonia cases given treatment	115	
F. Nutrition Program		
1. Micronutrient Supplementation		
a. Vitamin A		
6-11 months old (GP)		
12-59 months old (GP)	17,161	
Lactating mother		
b. Ferrous Sulphate		
1. Pregnant Women	1,099	
2. Lactating mother	356	
3. 2-6 months LBW		
4. 6-59 months anemic children		
G. Family Planning		
1. New acceptors		
BTL	138	
VAS	0	
PILL	582	
IUD	12	
INJECTION	151	
NFP = SDM	0	
NFP-LAM	438	
CONDOM	69	

IMPLANT	3		
2. Current Users			
BTL	12,850		
VAS	0		
PILL	25,981		
IUD	3,496		
INJECTION	15,441		
NFP = SDM	289		
NFP-LAM	17,737		
CONDOM	2,355		
IMPLANT	4,406		
H. Cardiovascular Diseases Prevention and Control	TOTAL	Male	Female
Hypertension cases seen	1,076	225	851
Hypertension cases treated	1,076	225	851
I. National Tuberculosis Program			
1. Presumptive TB case			
Smear positive discovered			
X-ray positive			
2. Treatment on going	206	92	298
a. Category 1	206	91	291
b. Category 2	2	1	1
3. Treatment Outcome	198	91	289
a. Cured			
b. Completed			
c. Defaulter			
d. Trans-out	0	0	0
e. Died	2	0	2
J. National Leprosy Control Program	0	0	0
a. Skin Consultation	0	0	0
b. Leprosy cases seen	3	4	7
c. Leprosy cases cured/ completed	0	3	3
K. Dengue Control Program			
Dengue cases	23	12	11
Dengue cases treated			
L. Leptospirosis Control Program			
Leptospirosis cases	3	3	0
Given Prophylaxis	3	3	0

This data provides information on various programs and activities conducted in 2023, along with the corresponding statistics.

DENTAL SERVICES 2023

ACTIVITIES	TARGET			ACC.			%
	M	F	T	M	F	T	
I. CASE FINDING							
A. ORAL EXAMINATION							
1. Pregnant Mothers			2,373		146		4%
2. School Children			2,356		104		4%
3. Pre-schoolers			1,239		549		44%
4. Other Adults			5,840		2,662		34%
TOTAL							
II. PREVENTIVE DENTAL CARE							
A. ORAL PROPHYLAXIS							
1. Pregnant Mothers			2,373		18		2%
2. School Children			2,365		50		0%

This data provides information on the target and actual numbers of individuals who underwent certain activities related to oral health care.

ACTIVITIES	TARGET			ACC.			%
	M	F	T	M	F	T	
III. CURATIVE DENTAL CARE							
A. PERMANENT FILLING							
1. Pregnant Mothers			2,373			19	0%
2. School Children			2,365			11	0%
3. Pre-schoolers			1,239			8	0%
4. Other Adults			5,840			54	0%
SUB-TOTAL							
B. TEMPORARY FILLING							
1. Pregnant Mothers			2,373			12	0%
2. School Children			2,365			2	0%
3. Pre-schoolers			1,239			4	0%
4. Other Adults			5,840			22	0%
SUB-TOTAL							
C. GUM TREATMENTS							
1. Pregnant Mothers			2,373			8	0%
2. School Children			2,365			15	0%
D. EXTRACTION							
1. Oral Adults			5,840			1,538	26%

➤ **MALNOURISHED CHILDREN CY 2023**

**Stunting and Severe Stunting
Prevalence and Number of Affected Children Under Five, by Barangay**

RANK	BARANGAY	0-59 Months OPT Plus Coverage (%)	HEIGHT FOR AGE		
			Normal (%)	Stunted + Severely Stunted (%)	Number of Stunted + Severely Stunted
1	EMBARCADERO	92.47 %	96.12 %	0.78 %	2
2	NIBALIW	80.92 %	98.93 %	0.71 %	2
3	LANAS	82.37 %	98.95 %	0.70 %	2
4	INLAMBO	91.67 %	95.45 %	0.57 %	1
5	LANDAS	92.34 %	95.20 %	0.44 %	1
6	GUEGUESANGEN	80.99 %	98.26 %	0.43 %	1
7	AMANSABINA	89.57 %	93.17 %	0.40 %	1
8	TEBAG	81.01 %	96.09 %	0.39 %	1
9	BARI	87.38 %	97.44 %	0.37 %	2
10	ANOLID	82.15 %	97.80 %	0.29 %	2
11	BUENLAG	80.52 %	97.04 %	0.27 %	1
12	ALITAYA	80.12 %	96.12 %	0.26 %	1
13	GUESANG	97.83 %	96.31 %	0.25 %	1
14	DAVID	84.96 %	96.46 %	0.22 %	1
15	MALABAGO	86.20 %	98.46 %	0.22 %	1
16	BANAOANG	83.06 %	97.40 %	0.00 %	0
17	BANTAYAN	86.80 %	95.61 %	0.00 %	0
18	BATENG	86.58 %	100.00 %	0.00 %	0
19	GUIGUILONEN	80.39 %	97.91 %	0.00 %	0
20	GUILIG	99.16 %	98.59 %	0.00 %	0
21	MAASIN	80.80 %	95.65 %	0.00 %	0
22	MACAYUG	84.33 %	97.35 %	0.00 %	0
23	NAVALUAN	84.47 %	98.89 %	0.00 %	0
24	OSIEM	91.04 %	96.83 %	0.00 %	0
25	PALUA	86.53 %	97.64 %	0.00 %	0
26	POBLACION	99.30 %	97.89 %	0.00 %	0
27	POGO	82.87 %	96.67 %	0.00 %	0
28	SALAN	80.20 %	95.88 %	0.00 %	0
29	SALAY	82.34 %	95.59 %	0.00 %	0
30	TALOGTOG	81.95 %	95.41 %	0.00 %	0

**Moderate and Severe Wasting
Prevalence and Number of Affected Children Under Five, by Barangay**

RANK	BARANGAY	0-59 Months OPT Plus Coverage (%)	WEIGHT FOR LENGTH/ HEIGHT		
			Normal (%)	Moderately Wasted + Severely Wasted (%)	Number of Moderately Wasted + Severely Wasted (%)
1	LANAS	82.37 %	98.25 %	1.05 %	3
2	LANDAS	92.34 %	98.69 %	0.87 %	2
3	INLAMBO	91.67 %	99.43 %	0.57 %	1
4	GUILIG	99.16 %	99.44 %	0.56 %	2
5	SALAN	80.20 %	99.59%	0.41 %	1
6	NIBALIW	80.92 %	99.64 %	0.36 %	1
7	GUIGUILONEN	80.39 %	99.65 %	0.35 %	1
8	OSIEM	91.04 %	99.37 %	0.32 %	1
9	MAASIN	80.80 %	99.71 %	0.29 %	1
10	POBLACION	99.30 %	99.77 %	0.23 %	1
11	SALAY	82.34 %	99.40 %	0.20 %	1
12	BARI	87.38 %	99.27 %	0.18 %	1
13	ALITAYA	80.12 %	99.48 %	0.00 %	1
14	AMANSABINA	89.57 %	100.00 %	0.00 %	1
15	ANOLID	82.15 %	100.00 %	0.00 %	1
16	BANAOANG	83.06 %	100.00 %	0.00 %	1
17	BANTAYAN	86.80 %	100.00 %	0.00 %	1
18	BATENG	86.58 %	100.00 %	0.00 %	0
19	BUENLAG	80.52 %	100.00 %	0.00 %	0
20	DAVID	84.96 %	100.00 %	0.00 %	0
21	EMBARCADERO	92.47 %	99.61 %	0.00 %	0
22	GUEGUESANGEN	80.99 %	99.57 %	0.00 %	0
23	GUESANG	97.83 %	100.00 %	0.00 %	0
24	MACAYUG	84.33 %	100.00 %	0.00 %	0
25	MALABAGO	86.20 %	100.00 %	0.00 %	0
26	NAVALUAN	84.47 %	100.00 %	0.00 %	0
27	PALUA	86.53 %	100.00 %	0.00 %	0
28	POGO	82.87 %	100.00 %	0.00 %	0
29	TALOGTOG	81.95 %	100.00 %	0.00 %	0
30	TEBAG	81.01 %	100.00 %	0.00 %	0

3.10 SOCIAL WELFARE

There are 34 existing Child Development Centers (Day Care Centers) in Mangaldan for 2023 with 34 Child Development Workers. These 34 CDWs were trained in Capability Building/Development Programs. All Child Development Centers were provided with ECCD Kits / Learning Materials. Year 2023, the active pre-school children served **1,451**, male- **710** and female - **741**. In kindergarten, out of **1,869**, there's have **953** male and **916** female.

➤ **LOCATION OF CHILD DEVELOPMENT CENTERS (DAY CARE CENTERS)**

BARANGAY/LOCATION	CHILD DEV'T CENTER	BARANGAY/LOCATION	CHILD DEV'T CENTER
1.Alitaya I	Alitaya CDC	19.Inlambo	Inlambo CDC
2.Alitaya II	Alitaya CDC	20.Lanas	Lanas CDC
3.Alitaya III	Alitaya CDC	21.Landas	Landas CDC
4.Amansabina	Amasabina CDC	22.Maasin	Maasi CDC

5.Anolid	Anolid CDC	23.Macayug	Macayug CDC
6.Banaoang	Banaoang CDC	24.Malabago	Malabago CDC
7.Bantayan	Bantayan CDC	25.Municipal	Municipal CDC
8.Bari	Bari CDC	26.Navaluán	Navaluán CDC
9.Bateng East	Bateng East CDC	27.Nibaliw	Nibaliw CDC
10.Bateng West	Bateng West CDC	28.Palua	Palua CDC
11.Buenlag	Buenlag CDC	29.Osiem	Osiem CDC
12.David	David CDC	30.Poblacion I	Poblacion CDC
13.Embarcadero1	Embarcadero 1 CDC	31.Poblacion II	Poblacion CDC
14.Embarcadero2	Embarcadero2 CDC	32.Pogo	Pogo CDC
15.Gueguesangen	Gueguesangen CDC	33.Salaa	Salaan CDC
16.Guesang	Guesang CDC	34.Salay	Salay CDC
17.Guiguilonen	Guiguilonen CDC	35.Talogtog	Talogtog CDC
18.Guilig	Guilig CDC	36.Tebag	Tebag CDC

TOTAL NUMBER OF DAYCARE PUPIL SERVED (2017-2023)							
Number of Pre-Schoolers	2023	2022	2021	2020	2019	2018	2017
	1451	1607	1590	1300	1590	1300	1400

DAY CARE PUPILS SY 2023			
NAME OF BARANGAY	MALE	FEMALE	TOTAL
1. ALTAYA1	8	12	20
2. ALITAYA II	33	27	60
3. ALITAYA III	20	20	40
4. AMANSABINA	15	9	24
5. ANOLD	24	53	81
6. BANAANG	9	12	21
7. BANTAYAN	23	30	53
8. BARI	19	27	46
9. BATENG EAST	17	14	31
10. BATENG WEST	10	10	20
11. BUENLAG	26	22	48
12. DAVID	30	22	52
13. EMBARCADERO I	11	9	20
14. EMBARCADERO II	18	16	34
15. GUEGUESANGEN	32	33	65
16. GUESANG	17	27	44
17. GUIGUILONEN	35	26	61
18. GUILIG	32	31	63
19. INLAMBO	26	16	42
20. LANAS	36	17	53
21. LANDAS	15	21	36
22. MAASIN	20	26	46
23. MACAYUG	12	14	26
24. MALABAGO	18	32	50
25. NAVALUAN	22	18	40
26. NIBALIW	21	13	34
27. OSIEM	17	27	44
28. PALUA	6	14	20
29. POBLACION	46	45	91
30. POGO	12	10	22
31. SALAAN	17	18	35
32. SALAY	28	38	66
33. TALOGTOG	19	17	36
34. TEBAG	12	15	27
TOTAL	710	741	1451



This data appears is a list of day care pupils for the school year 2023. It provides information on the number of male and female students in each barangay (a type of administrative division in the Philippines) and the total number of students in each barangay.

➤ **NUMBER OF SOLO PARENTS/ NUMBER OF WIDOW OR WIDOWER (2015-2023)**

WOMEN WELFARE PROGRAM	
TOTAL NUMBER OF SOLO PARENTS SERVED 2023	
Male	Female
63	832

2015-2023								
2023	2022	2021	2020	2019	2018	2017	2016	2015
895	669	294	70	106	60	40	29	14

Source: Social Welfare Development Office

➤ **NUMBER OF PERSONS WITH DISABILITY WHO AVAILED OF I.D AND PURCHASE BOOKLETS WITH DISABILITY**

TOTAL NUMBER OF PERSONS WITH DISABILITY WHO AVAILED OF I.D AND PURCHASE BOOKLETS 2023	
Male	Female
125	80

2015-2023								
2023	2022	2021	2020	2019	2018	2017	2016	2015
205	446	388	268	414	255	149	109	177

TOTAL NUMBER OF PERSONS WITH DISABILITY WHO AVAILED OF I.D AND PURCHASE BOOKLETS 2023		
Male	Female	TOTAL
125	80	205

CHILDREN WITH DISABILITIES AGED 0-14 OLD UNDERGOING FREE REHABILITATION TREATMENT 2023		
Male	Female	TOTAL
76	39	115

CHILDREN WITH DISABILITIES AGED 15-ABOVE YEARS OLD UNDERGOING FREE REHABILITATION TREATMENT 2023		
Male	Female	TOTAL
251	287	538

Source: Social Welfare Development Office

PANTAWID PAMILYANG PILIPINO PROGRAM 2023	
POTENTIAL BENEFICIARIES	ACTUAL BENEFICIARIES
167	4784
Family Heads	Family Heads

Source: Social Welfare Development Office

In 2023, *Pantawid Pamilyang Pilipino Program* (4Ps) has a potential of 167 beneficiaries. However, the actual number of beneficiaries was 4,784. These beneficiaries are family heads who are receiving assistance through the program.

WOMEN IN ESPECIALLY DIFFICULT CIRCUMSTANCES (WEDC) AND CHILDREN IN CONFLICT WITH THE LAW CY 2015-2023	
YEAR	NUMBER OF CASES
2023	0
2022	33
2021	1
2020	6
2019	12
2018	33
2017	17
2016	14
2015	22

Source: Social Welfare Development Office

SOCIAL CASE STUDY REPORTS AND CERTIFICSTIONS ISSUED 2023			
	Male	Female	TOTAL
SOCIAL CASE STUDY REPORT	116	468	584
CERTIFICATIONS	232	135	367

Source: 2023 MSWDO

➤ **NUMBER OF POOR FAMILIES**

In 2023, assistance to individuals in Crisis Situation (AICS) were given to **5,658** qualified registered beneficiaries (Family Heads and other Needy Adults). There were **4,775** totals benefitted with the 4P’S / PANTAWID PAMILYANG PILIPINO PROGRAM.

TYPE OF CLIENTELE	2023		
	MALE	FEMALE	TOTAL
1. SELF EMPLOYMENT	1	0	1
2. AICS	4001	1657	5658
3. ESA	1	0	1
4. DAYCARE SERVICE	1	33	
5. SUPPLEMENTARY FEEDING (DSWD FUND)	1	683	1280
6. REFFERAL OF NEGLECTED/ABUSED/ABANDONED	597	0	0
7. CICL	0		1
8. WEDC	1	0	0
9. SOLO PARENT GIVEN ID	0	832	895
10. 4P’S/PANTAWID PAMILYANG PILIPINI	69	4097	4775



PROGRAM			
11. MARRIAGE COUNCELING	678	333	333 COUPLES
12. STAC	333	0	0
13. SENIOR CITIZEN	4912	7000	11912
14. SEA-K CAPITAL ASSISTANCE (DSWD)	0	0	0

Source: Social Welfare Development Office

In 2023, a variety of programs served a diverse clientele. The AICS program had the most participants at 5658, mainly male. The Supplementary Feeding program had 1280 participants, with more females. The Solo Parent Given ID program and the 4P's/Pantawid Pamilyang Pilipino Program mainly catered to females, with 895 and 4775 participants, respectively. The Senior Citizen program had the highest participation with 11912 individuals, majority being females. Other programs targeted specific groups, while the SEA-K Capital Assistance program had no participants. This data highlights the gender distribution and diverse needs addressed by these programs in 2023.

FINANCIAL ASSISTANCE (2023)	
	NO. OF CLIENTS SERVED
AICS FUND (Assistance to Individuals in Crisis Situation)	5658 Individuals/family Heads and other needy Adult
SEA FUND (Self-Employment Assistance)	1 Individuals/family Heads and other needy Adult
ESA Fund (Emergency Shelter Assistance)	1 Individuals/family Heads and other needy Adult

Source: Social Welfare Development Office

➤ **ELDERLY WELFARE PROGRAM (NUMBER OF SENIOR CITIZENS)**

ELDERLY WELFARE PROGRAM			
NUMBER OF ISSUED I.D CARDS AND PURCHASE BOOKLETS FOR SENIOR CITIZENS (2017-2023)			
YEAR	TOTAL NUMBER OF I.D CARDS ISSUED	TOTAL NUMBER OF PURCHASE BOOKLETS ISSUED	
		Male	Female
2023	11912	4912	7000
		11912	
2022	14484	14484	
2021	2296	2473	
2020	2119	2571	
2019	2240	2226	
2018	2072	1459	
2017	1970	3396	

Source: 2023 MSWDO

**STATUS OF REGISTERED PHILHEALTH MEMBERS AND
DEPENDENT
AS OF DECEMBER 2022**

MUNICIPALITY	Sponsored		Indigent		Employed				Self Employed (IPP)	
	Mem	Dep	Mem	Dep	Mem	Dep	Mem	Dep	Mem	Dep
MANGALDAN	724	767	13,422	18,890	2,184	3,106	12,307	9,672	13,868	12,299

MUNICIPALITY	OFW		Lifetime		Senior Citizen		i-Group	
	Mem	Dep	Mem	Dep	Mem	Dep	Mem	Dep
MANGALDAN	5,220	3,733	9,359	1,808	2,186	354	145	118

3.11 EDUCATION

➤ **LITERACY RATE**

Municipality	TOTAL MEMBERS			TOTAL DEPENDENT		
	Total	Male	Female	Total	Male	Female
MANGALDAN	59,415			50,747		

Municipality	Number of persons 10 years old and above			Illiterate persons 10 years old and above*					
	Total	Male	Female	Magnitude			Proportion		
				Total	Male	Female	Total	Male	Female
MANGALDAN	72948	36755	36193	1408	698	710	1.93	1.9	1.96

*Persons 10 years old and above who cannot read/write simple messages in any language or dialect

**Number of illiterate persons 10 years old and above over total number of persons 10 years old and above

Source: CBMS Census 2016 - 2017

➤ **School-Age Population and Participation Rate by Level (Elementary, Secondary, Tertiary)**

AGE GROUP	2020 (PSA Actual Census) Projection		2021	2022	2023	2024	2025
	Both Sexes	% To Total					
4-5 (Preparatory)	4735	11.53	4798	4860	4925	4990	5056
6-12 (Primary)	16670	40.58	16890	17113	17339	17568	17800
13-18 (Secondary)	11283	27.47	11432	11582	11735	11891	12048
19-22 (Tertiary)	8389	20.42	8500	8613	8726	8841	8957
TOTAL	41077	100.00	41620	42168	42725	43290	43861

Source: PSA Cesus 2020 MPT Projection

➤ **SCHOOL GOING AGE POPULATION 2022 AND NUMBER OF ENROLLEES**

AGE GROUP	Projected School Age	No. of Enrollees (Public & Private) +DCC	Enrollment Rate (%)
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	Pop 2023		
4-5 (Preparatory) & DCC	4925	1451	29.46
6-12 (Primary)	17339	15399	88.81
13-19 (Secondary)	11735	17833	151.96
TOTAL	33999	34683	270.23

Source: NSO Census Base Year 2020 / OMPDC MPT Projections / School Data 2023-2024

➤ NUMBER AND LOCATION OF PRESCHOOL AND KINDERGARTEN

NAME OF SCHOOLS	LOCATION/ BARANGAY
➤ Golden Angels	Poblacion
➤ Sto. Tomas High School	Poblacion
➤ Bethel Christian Learning Center	Poblacion
➤ Cherished Moments School	Bari
➤ Aura Vista Montessori	Bari
➤ Cinderella School	Poblacion
➤ Clarice Angels	Salay
✕ Mangaldan Achievers Academy	Poblacion
✕ Right formation School	Embarcadero

NAME OF SCHOOLS	PRE-SCHOOL			KINDERGARTEN		
	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
➤ Golden Angels	1	3	4	4	3	7
➤ Sto. Tomas High School	24	20	44	23	20	43
➤ Bethel Christian Learning Center	6	5	11	5	4	9
➤ Cherished Moments School	32	37	69	10	15	25
➤ Aura Vista Montessori	1	4	5	2	4	6
➤ Cinderella School	18	23	41	24	24	48
➤ Clarice Angels	21	28	49	59	37	96
➤ Mangaldan Achievers Academy						
➤ Right formation School						
TOTAL						

➤ NUMBER AND LOCATION OF SCHOOLS BY LEVEL (PUBLIC AND PRIVATE)

PUBLIC ELEMENTARY SCHOOLS – 24 SCHOOLS

NAME OF SCHOOLS	LOCATION/ BARANGAY
DISTRICT I	
➤ Alitaya E/S	Alitaya

⇒ Doña Felisa Navarro ES	Amansabina
⇒ Anolid E/S	Anolid
⇒ Bari E/S	Bari
⇒ Buenlag E/S	Buenlag
⇒ Central E/S	Poblacion
⇒ David E/S	David
⇒ Don Gregorio I. Magno E/S	Banaoang
⇒ Gueguesangen Integrated School E/S	Gueguesangen
⇒ Guesang E/S	Guesang
⇒ Navaluan E/S	Navaluan
⇒ Osiem E/S	Osiem

DISTRICT II	
⇒ Mangaldan Integrated School E/S	Bantayan
⇒ Embarcadero E/S	Embarcadero
⇒ Inlambo E/S	Inlambo
⇒ Lanas E/S	Lanas
⇒ Maasin E/S	Maasin
⇒ Macayug E/S	Macayug
⇒ Malabago E/S	Malabago
⇒ Nibaliw E/S	Nibaliw
⇒ Pogo-Palua E/S	Pogo-Palua
⇒ Salaan E/S	Salaan
⇒ Salay E/S	Salay
⇒ Talogtog E/S	Talogtog
⇒ Tebag E/S	Tebag

A list of Public Elementary schools categorized by district along with their respective locations or barangays.

PRIVATE ELEMENTARY SCHOOLS – 6 SCHOOLS

NAME OF SCHOOLS	LOCATION/ BARANGAY
⇒ Golden Angels	Poblacion
⇒ Sto. Tomas High School	Poblacion
⇒ Bethel Christian Learning Center	Poblacion
⇒ Cherished Moments School	Bari
⇒ Aura Vista Montessori	Bari
⇒ Cinderella School	Poblacion
⇒ Clarice Angels	Salay
× Mangaldan Achievers Academy	Poblacion
× Right formation School	Embarcadero

A list of Private Elementary schools categorized by district along with their respective locations or barangays.

PUBLIC SECONDARY SCHOOLS – 4 SCHOOLS

NAME OF SCHOOLS	LOCATION/ BARANGAY
------------------------	---------------------------

MANGALDAN, PANGASINAN

⇒ Mangaldan National High School	Poblacion
⇒ David National High School	David
⇒ Gueguesangen Integrated School	Gueguesangen
⇒ Mangaldan Integrated School	Bantayan

A list of Public Secondary schools with their respective locations or barangays.

PRIVATE SECONDARY SCHOOLS – 6 SCHOOLS

NAME OF SCHOOLS	LOCATION/ BARANGAY
⇒ Golden Angels	Poblacion
⇒ Sto. Tomas High School	Poblacion
⇒ Bethel Christian Learning Center	Poblacion
⇒ Cherished Moments School	Bari
⇒ Aura Vista Montessori	Bari
⇒ Cinderella School	Poblacion
⇒ Clarice Angels	Salay
× Mangaldan Achievers Academy	Poblacion
× Right formation School	Embarcadero

A list of Private Secondary schools with their respective locations or barangays.

PRIVATE TERTIARY SCHOOLS – 2 SCHOOLS

1 College and 1 Vocational

NAME OF SCHOOLS	LOCATION/ BARANGAY
⇒ Metro Dagupan Colleges	Salay
⇒ Mangaldan Technical (Voc'l) Institute	Bari

A list of Private Tertiary schools with their respective locations or barangays.

ENROLLMENT DATA SY 2023-2024 (MALE AND FEMALE)

ELEMENTARY 2023-2024				
PUBLIC				
DISTRICT I	BARANGAY	MALE	FEMALE	TOTAL
Alitaya E/S	Alitaya	217	191	408
Doña Felisa Navarro ES	Amansabina	39	46	85
Anolid E/S	Anolid	324	266	590
Bari E/S	Bari	203	198	401
Buenlag E/S	Buenlag	174	181	355
Central E/S	Poblacion	1237	1288	2525
David E/S	David	570	543	1113
Don Gregorio I. Magno E/S	Banaoang	158	152	310
Gueguesangen Integrated School E/S	Gueguesangen	351	370	721
Guesang E/S	Guesang	264	245	509
Navaluan E/S	Navaluan	190	180	370
Osiem E/S	Osiem	145	146	291
SUB TOTAL		3872	3806	7678

This table provides insights into the distribution of male and female students across different elementary schools in District I. Mangaldan Central Elementary School boasts the highest enrollment, totaling 2,525 students, whereas Doña Felisa Navarro Elementary School reports the lowest enrollment, totaling 85 students.

DISTRICT II	BARANGAY	MALE	FEMALE	TOTAL
Mangaldan Integrated School E/S	Bantayan	578	535	1113
Embarcadero E/S	Embarcadero	230	215	445
Inlambo E/S	Inlambo	121	110	231
Lanas E/S	Lanas	166	157	323
Maasin E/S	Maasin	203	182	385
Macayug E/S	Macayug	155	123	278
Malabago E/S	Malabago	401	371	772
Nibaliw E/S	Nibaliw	135	106	241
Pogo-Palua E/S	Pogo-Palua	127	121	248
Salaan E/S	Salaan	317	273	590
Salay E/S	Salay	282	218	500
Talogtog E/S	Talogtog	247	235	482
Tebag E/S	Tebag	140	124	264
SUB TOTAL		3102	2770	5872

This table show the distribution of male and female students across different elementary schools in District II. Mangaldan Integrated School has the highest enrollment, with 1,113 students, while Inlambo Elementary School has the lowest enrollment, with only 231 students.

ELEMENTARY 2023-2024				
PRIVATE				

NAME OF SCHOOLS	BARANGAY	MALE	FEMALE	TOTAL
Golden Angels	Poblacion	36	29	65
Sto. Tomas High School	Poblacion	163	150	313
Bethel Christian Learning Center	Poblacion	36	24	60
Cherished Moments School	Bari	212	203	415
Aura Vista Montessori	Bari	35	36	77
Cinderella School	Poblacion	124	103	227
Clarice Angels	Salay	365	327	692
* Mangaldan Achievers Academy	Poblacion			
* Right formation School	Embarcadero			
TOTAL		971	872	1849

The table show that male and female students are distributed across various private elementary schools. Cherished Moments School enrolls the most students (415), while Bethel Christian Learning Center enrolls the fewest (60).



The data shows the total enrollment in both public and private elementary schools. The grand total enrollment across both sectors is **15,399** students. Out of this total, **7,945** students are male, while **7,448** students are female. This indicates that there are slightly more male students enrolled in elementary schools compared to female students, with a difference of 497 students.

SECONDARY 2023-2024				
PUBLIC				
NAME OF SCHOOLS	BARANGAY	MALE	FEMALE	TOTAL
Mangaldan National High School	Poblacion	3948	3818	7766
David National High School	David	361	262	623
Gueguesangen Integrated School	Gueguesangen	341	278	619
Mangaldan Integrated School	Bantayan	563	496	1059
SUB TOTAL		5213	4854	10067

PRIVATE				
NAME OF SCHOOLS	BARANGAY	MALE	FEMALE	TOTAL
Golden Angels	Poblacion	1331	1172	2503
Sto. Tomas High School	Poblacion	95	152	247
Bethel Christian Learning Center	Poblacion	94	94	188
Cherished Moments School	Bari	2296	2145	4441
Aura Vista Montessori	Bari	31	64	95
Cinderella School	Poblacion	68	124	192
Clarice Angels	Salay	33	67	100
* Mangaldan Achievers Academy	Poblacion			
* Right formation School	Embarcadero			
SUB TOTAL		3948	3818	7766

In the academic year 2023-2024, public secondary schools, Mangaldan National High School has the highest enrollment with a total of 7,766 students. On the other hand, Gueguesangen Integrated School had the lowest enrollment, totaling 619 students.

In the secondary private school sector for the academic year 2023-2024, Cherished Moment School recorded the highest enrollment with a total of 4,441 students. On the other hand, Aura Vista Montessori had the lowest enrollment, totaling 95 students.



The given data shows the total enrollment in both public and private secondary schools, amounting to 17,833 students. Among these, there

TERTIARY 2023-2024				
PRIVATE				
NAME OF SCHOOLS	BARANGAY	MALE	FEMALE	TOTAL
Metro Dagupan Colleges	Salay			
▪ UNDERGRADUATE		1077	960	2037
▪ GRADUATE		50	45	95
Total		1127	1005	2132
VOCATIONAL				
Mangaldan Technical (Voc'l) Institute	Bari	36	12	48
GRAND TOTAL		1163	1017	2180

are 9,161 male students and 8,672 female students enrolled.

This data shows the gender and educational level of students enrolled at Metro Dagupan Colleges and Mangaldan Technical (Vocational) Institute. In Metro Dagupan Colleges, undergraduate and

graduate students total 2132 students, with 1127 males and 1005 females. There are 36 male and 12 female students, totaling 48 vocational students in Mangaldan Technical (Vocational) Institute. The overall total of students is 2180, with 1163 males and 1017 females.

➤ **TOTAL NUMBER OF TEACHERS, NUMBER OF CLASSROOMS SY 2023-2024**

SUMMARIZED NUMBER OF SCHOOL TEACHER AND CLASSROOM	ELEMENTARY		SECONDARY		TERTIARY
	PUBLIC	PRIVATE	PUBLIC	PRIVATE	
NO. OF TEACHERS	534	79	428	93	36
NO. OF CLASSROOM	363	69	298	63	4

This table shows the summarized number of school teacher and classroom in Municipality of Mangaldan.

➤ **SCHOOL ENROLLMENT DATA 2023-2024**

SCHOOL CATEGORY	MALE	FEMALE	TOTAL
DISTRICT I	3872	3806	7678
DISTRICT II	3102	2770	5872
PUBLIC ELEMENTARY	6974	6576	13550
PRIVATE ELEMENTARY	971	872	1849
PUBLIC HIGH SCHOOL	5213	4854	10067
PRIVATE HIGH SCHOOL	3948	3818	7766
TERTIARY	1163	1017	2180
TOTAL	18269	17137	35412

➤ **ACTIVE MUNICIPAL SCHOLARS AS OF DECEMBER 2023**

• **HIGHSCHOOL**

MUNICIPALITY OF MANGALDAN	2018	2019	2020	2021	2022	2023	TOTAL
Alitaya	-	2	7	8	7	5	29
Amansabina	-	-	1	3	5	1	10
Anolid	-	1	2	5	5	8	21
Banaoang	3	2	4	1	4	3	17
Bantayan	-	3	1	2	3	2	11
Bari	2	7	6	2	5	5	27
Bateng	-	1	4	2	4	5	16
Buenlag	2	-	2	4	3	3	14
David	6	1	6	7	4	5	29
Embarcadero	1	-	-	1	3	4	9

Gueguesangen	-	-	4	3	2	-	9
Guesang	1	-	1	1	3	1	7
Guiguilonen	2	3	8	8	4	4	29
Guilig	1	1	1	1	2	5	11
Inlambo	-	-	-	-	2	1	3
Lanas	2	-	3	3	3	2	13
Landas	-	-	1	3	2	4	10
Maasin	1	-	6	5	3	2	17
Macayug	-	-	1	2	5	4	12
Malabago	-	1	4	-	4	3	12
Navaluan	2	-	3	3	4	6	18
Nibaliw	3	-	1	2	2	3	11
Osiem	-	1	7	8	3	4	23
Palua	1	-	4	3	3	1	12
Poblacion	2	4	3	5	3	5	22
Pogo	-	-	2	-	3	-	5
Salaan	1	-	4	1	3	4	13
Salay	1	3	4	3	4	4	19
Talagtog	-	1	3	6	3	4	17
Tebag	-	-	5	4	3	3	15
TOTAL	31	31	98	96	104	101	461

• **COLLEGE**

MUNICIPALITY OF MANGALDAN	2018	2019	2020	2021	2022	2023	TOTAL
Alitaya	-	-	-	-	1	-	1
Amansabina	-	-	-	-	1	1	2
Anolid	-	-	-	-	1	3	4
Banaoang	-	-	-	-	1	-	1
Bantayan	-	-	-	-	1	1	2
Bari	-	-	-	-	1	4	5
Bateng	-	-	-	-	1	-	1
Buenlag	-	-	-	-	1	4	5
David	-	-	-	-	1	3	4
Embarcadero	-	-	-	-	1	-	1
Gueguesangen	-	-	-	-	1	-	1
Guesang	-	-	-	-	1	1	2
Guiguilonen	-	-	-	-	1	2	3
Guilig	-	-	-	-	1	2	3
Inlambo	-	-	-	-	1	1	2
Lanas	-	-	-	-	1	-	1
Landas	-	-	-	-	1	1	2
Maasin	-	-	-	-	1	1	2
Macayug	-	-	-	-	-	-	
Malabago	-	-	-	-	1	-	1
Navaluan	-	-	-	-	1	1	2

Nibaliw	-	-	-	-	1	1	2
Osiem	-	-	-	-	1	1	2
Palua	-	-	-	-	-	1	1
Poblacion	-	-	-	-	1	-	1
Pogo	-	-	-	-	1	-	1
Salaan	-	-	-	-	1	-	1
Salay	-	-	-	-	1	2	3
Talogtog	-	-	-	-	1	4	5
Tebag	-	-	-	-	1	-	1
TOTAL	-	-	-	-	28	34	62

Source : Office of the Municipal Planning and Development Coordinator

**MALE AND FEMALE PRC REGISTERED PROFESSIONALS
AT MANGALDAN, PANGASINAN (CY 2020)**

PROFESSION	MALE	FEMALE
AERONAUTICAL ENGINEER	5	0
AGRICULTURAL AND BIOSYSTEMS ENGINEER	5	5
AGRICULTURIST	13	19
ARCHITECT	34	12
CERTIFIED MILL FOREMAN	0	0
CERTIFIED MINE FOREMAN	0	0
CERTIFIED PLANT MECHANIC	1	0
CERTIFIED PUBLIC ACCOUNTANT	102	114
CERTIFIED QUARRY FOREMAN	0	0
CHEMICAL ENGINEER	15	17
CHEMICAL TECHNICIAN	0	2
CHEMIST	1	2
CHINESE DRUGGIST	0	0
CIVIL ENGINEER	241	44
CRIMINOLOGIST	169	45
CUSTOMS BROKER	0	0
DENTAL HYGIENIST	0	0
DENTAL TECHNOLOGIST	1	0
DENTIST	23	34
ELECTRONICS ENGINEER	74	15
ELECTRONICS TECHNICIAN	33	14
ENVIRONMENTAL PLANNER	5	4
FISHERIES TECHNOLOGIST	2	6
FOREIGN MEDICAL PROFESSIONAL	0	0
FORESTER	9	3
GEODETIC ENGINEER	9	6
GEOLOGIC AIDE	0	0
GEOLOGIST	6	1
GUIDANCE COUNSELOR	1	1
INTERIOR DESIGNER	0	2
LANDSCAPE ARCHITECT	0	1
LIBRARIAN	0	9
MASTER PLUMBER	11	3
MECHANICAL ENGINEER	105	1
MEDICAL LABORATORY TECHNICIAN	1	6
MEDICAL TECHNOLOGIST	32	89
METALLURGICAL ENGINEER	1	0
METALLURGICAL PLANT FOREMAN	0	0
MIDWIFE	3	242

MIDWIFE (RA 2382)	0	1
MINING ENGINEER	3	2
NAVAL ARCHITECT & MARINE ENGINEER	0	0
NURSE	396	1293
NUTRITIONIST DIETITIAN	0	17
OCCUPATIONAL THERAPIST	3	11
OCCUPATIONAL THERAPY TECHNICIAN	0	0
OCULAR PHARMACOLOGIST	0	0
OPTOMETRIST	1	12
PHARMACIST	15	82
PHYSICAL THERAPIST	13	20
PHYSICIAN	57	56
PROFESSIONAL ELECTRICAL ENGINEER	3	0
PROFESSIONAL ELECTRONICS ENGINEER	1	0
PROFESSIONAL MECHANICAL ENGINEER	3	0
PROFESSIONAL TEACHER	479	1991
PSYCHOLOGIST	1	0
PSYCHOMETRICIAN	2	11
RADIOLOGIC TECHNOLOGIST	11	9
REAL ESTATE APPRAISER	5	2
REAL ESTATE BROKER	7	6
REAL ESTATE CONSULTANT	0	0
REAL ESTATE SALESPERSONS	0	0
REGISTERED ELECTRICAL ENGINEER	88	2
REGISTERED MASTER ELECTRICIAN	54	0
RESPIRATORY THERAPIST	1	0
SANITARY ENGINEER	3	1
SOCIAL WORKER	2	16
VETERINARIAN	8	2
X-RAY TECHNOLOGIST	2	1

Source: Professional Regulation Commission 2020

3.12 HOUSING

➤ **NO. OF HOUSING UNITS OCCUPIED**

No Data on Housing Units

➤ **LIST OF EXISTING/ PROPOSED HOUSING PROJECTS**

No Data on Proposed/ Existing Housing Projects

➤ **NUMBER OF HOUSEHOLD WITH ACCESS TO POTABLE WATER SOURCES (2022) BY BARANGAY**

STATISTICS ON ENVIRONMENTAL HEALTH SERVICES WATER SUPPLY SOURCES FACILITIES CY 2023									
Barangay	Population	Household	SAFE WATER SOURCES				UNSAFE WATER SOURCES		
			Public Deep Well	Private Deep Well	MAWAD	No. of HH. w/ Access to Safe Water	Percentage (%)	Shallow/Private	No. of HHs w/ Access to Unsafe Water
Alitaya	4,782	1,124	10	28	423	1069	4.89	56	55
Amansabina	2,771	622	3	4	417	602	3.22	60	20
Anolid	8,209	1,967	20	25	1,077	1887	4.07	3	80

Banaoang	5,978	1,390	9	5	899	1338	3.74	75	52
Bantayan	3,885	999	55	106	452	952	4.70	15	47
Bari	6,192	1,451	13	11	934	1400	3.51	22	51
Bateng	2,949	676	50	134	227	645	4.59	13	31
Buenlag	4,569	1,077	51	85	604	1036	3.80	0	41
David	5,264	1,243	31	92	622	1187	4.51	75	56
Embarcadero	2,778	639	6	35	350	610	4.54	20	29
Gueguesangen	2,817	681	0	147	401	649	4.70	31	32
Guesang	4,097	962	4	52	375	919	4.47	135	43
Guiguilonen	3,524	959	9	24	580	910	5.11	35	49
Guilig	3,524	778	13	11	532	737	5.27	22	41
Inlambo	1,906	465	26	114	76	440	5.38	32	25
Lanas	3,403	785	48	43	335	741	5.61	1	44
Landas	2,450	607	23	29	350	574	5.44	51	33
Maasin	4,228	1,096	25	46	567	1044	4.74	0	52
Macayug	2,671	674	13	68	248	638	5.34	0	36
Malabago	5,236	1,344	1	2	768	1273	5.28	29	71
Navaluan	4,202	1,094	3	5	494	1040	4.94	159	54
Nibaliw	3,402	855	29	54	352	811	5.15	28	44
Osiem	3,413	825	20	32	520	780	5.45	141	45
Palua	2,430	628	133	99	185	600	4.46	4	26
Poblacion	4,257	964	7	5	964	964	0	7	0
Pogo	1,786	485	130	30	148	463	4.54	0	22
Salaan	2,989	720	47	115	361	681	5.42	8	39
Salay	6,000	1,503	38	56	735	144	4.13	0	62
Talogtog	2,626	660	42	89	283	630	4.51	0	30
Tebag	3,120	783	34	62	368	742	5.24	9	41
TOTAL	115,458	28,054	893	1,608	14,647	26,803	4.47%	1,031	1,253

Source: MHO-RHU 2023

NUMBER OF CONNECTION BY TYPE OF CONSUMER AND AVERAGE WATER CONSUMPTION BY BARANGAY FOR DECEMBER 2023

BARANGAY	NO. OF CONNECTION	TYPE OF CONSUMER				
		RESID'L	COMM'L	COMM'LA	PUB.SCH'L	GOVT.
Alitaya	433	432	1			
Amansabina	427	420	4	2	1	
Anolid	1,127	1,082	40	4	1	
Banaoang	944	902	33	9		
Bantayan	483	457	15	7	3	1
Bari	1,006	935	63	7	1	
Bateng	227	226		1		
Buenlag	661	645	9	6	1	
David	663	626	2	2	3	
Embarcadero	357	349	3	4	1	
Lanas	78	77			1	
Landas	362	354	5	3		
Maasin	574	571	2		1	
Macayug	256	251	1	3	1	
Malabago	795	776	14	4	1	
Navaluan	510	505	3	1	1	
Nibaliw	357	355	1	1		
Osiem	526	520	2	3	1	
Palua	188	187		1		
Poblacion	1,682	1,231	399	28	6	18
Pogo	155	151	2	1	1	
Salaan	365	363	1		1	
Salay	774	740	31	2	1	
Talogtog	289	287	1		1	
Tebag	372	368	1	2	1	
TOTAL	15,897	15,052	678	102	36	23

WATER SERVICE CONNECTION AND CONSUMPTION BY TYPE OF CONSUMER AND NUMBER OF HOUSEHOLD/ CLIENTS SERVED FOR THE YEAR 2023

3.13 PLANS AND STRATEGIES THAT HAS TO BE IMPLEMENTED IN THE MUNICIPALITY OF MANGALDAN IN ORDER TO IMPROVE ITS SOLID WASTE MANAGEMENT OPERATION

1. Establish and improve the existing MENR organizational Structure

- a. Strengthen the ESWM Board
- b. Institutionalize the MENR Office
- c. Formalize a systematic and comprehensive ESWM Program applicable to all households, barangays, establishments and the municipality.

2. Establish effective ESWM Support System and Facilities

- a. Improve segregation at source
- b. Improve garbage collection system
- c. Establish MRF to different barangays
- d. Increase and improve collection facilities
- e. Install warning signage, signboards and promotional placards
- f. Improve the disposal system g. Establishment of sanitary landfill of clustered municipality

3. Strictly enforce/implement ESWM plans, laws, and ordinances

- a. Continuous strict implementation of ESWM and other environmental ordinances

MONTH	CONNECTIONS					CONSUMPTION (IN CU. MTR.)					H2O PRODUCTION
	Res'l	Com'l	Com'l A	Pub Schl	Gov't	Res'l	Com'l	Com'l A	Pub Schl	Gov't	Cubic Meter
January	14,543	654	99	36	22	342,608	16,717	3,358	3,235	4,837	457,452
February	14,606	654	100	36	22	279,819	14,099	3,358	4,774	4,078	385,730
March	14,676	646	100	36	22	289,983	13,483	2,847	5,445	4,300	394,291
April	14,713	645	99	36	23	317,759	14,953	3,300	6,647	4,407	436,690
May	14,743	643	98	36	23	322,199	14,222	2,990	4,942	3,888	431,060
June	14,812	650	98	36	23	334,270	14,659	2,910	4,740	4,246	446,067
July	14,861	659	98	36	23	354,427	14,781	3,037	5,805	4,121	467,120
August	14,898	662	98	36	23	301,844	14,115	2,825	4,407	4,416	410,604
September	14,939	661	100	35	23	343,885	14,990	3,216	5,009	4,316	454,469
October	14,984	666	100	36	23	306,616	13,673	2,922	5,434	4,628	420,058
November	15,022	674	102	36	23	342,569	15,674	3,084	5,556	4,783	452,836
December	15,051	679	102	36	23	291,239	13,626	2,425	5,420	3,777	402,318
TOTAL											5,158,695

- b. Support multi-disciplinary ESWM Action Force
- c. Strengthen the Mangaldan Task Force Kalikasan

4. Increase the awareness and commitment on ESWM through sustainable IEC

- a. Continuously involve different agencies on IEC preparation, training and implementation in the different barangays and municipality.
- b. Tap community volunteers for the household campaign on Ecological Solid Waste B Management
- c. Regular IEC on schools and seminars among barangay and municipal officials

5. Proper practice of all stakeholder as a "way of life"

- a. Award and Incentive Scheme for ESWM practitioners
- b. Promotion of Segregation
- c. Organization of "green" cooperative

Effective solid waste reduction is to formulate a physical step to regulate the used of plastic packaging.

Imposing of "regulation on the use of plastic products"

Adopt a "Balik Bayong" or Bring Your Own Bag. Reusable bag or handicraft made basket that will serve as container in purchasing household needs. And refuse from using sando bag plastics as packaging. This is one certain step in the reduction of solid waste residuals. Plastic packaging shall be regulated in order to lessen the waste dumped to the transfer facility and to make the whole municipality free of litters. By converting these plastic products to alternative packaging into handicraft such as bamboo made, abaca, recycled paper/Newspaper, sacks, recovered plastic bags to be used again and etc. or any reusable eco bags will contribute a sustainable livelihood program to craft makers to produce an alternative packaging or container.

4 SOLID WASTE MANAGEMENT SYSTEM

Establish and improve the existing Municipal Environment and Natural Resources organizational structure and make it functional by training people and leveling off on the municipal Ecological Solid Waste Management target. Activate and strengthen the Municipal Solid Waste Management Board through planning, continuous monitoring and evaluation on the implementation of the Ten-Year Solid Waste Management Plan. There is also a need to create a systematic and comprehensive ESWM Program applicable to all households, barangays, establishments and the municipality.

The establishment of effective ESWM Support System and facilities can be done by the LGU Improve segregation at source by teaching and encouraging household how to segregate their waste. Improve garbage collection system by posting collection schedules on strategic places. The establishment of functional

Material Recovery Facility in 30 barangays to divert biodegradable wastes into composting and to recover recyclables wastes from the wastes stream. Encouragement of households to be more creative on recycling of residual waste such as handicrafts made of sando bag plastics which are regularly disposed after using. There is also a need to increase and improve collection facilities such as compartmentalizing the collection dump trucks and providing receptacles for segregated waste on strategic places.

Social marketing or Information Education Campaign (IEC) is a crucial part of ESWM Plan implementation. On this part, first the people must realize that their own waste is their own responsibility. With that, attitudinal change will take place and there will be voluntary compliance among stakeholders. Installation of warning signage, signboards and promotional placards are also a significant part of social marketing. Households must be taught of proper packaging of residuals to improve the disposal system.

Strictly enforce/implement ESWM plans, laws, and ordinances. Strict implementation of ESWM ordinances and monitoring of compliance shall be done. The creation of a multi-disciplinary ESWM Action Force and strengthen the Mangaldan Task Force Kalikasan can be done by encouraging private individuals to volunteer as Task Force members.

To further increase the awareness and commitment on ESWM through sustainable IEC. There must be continuous involvement of different agencies on IEC preparation, training and implementation in the different barangays and municipality. Tap community volunteers for the household campaign on Ecological Solid Waste Management. There could also be regular IEC on local papers, videos and schools and seminars among barangay and municipal officials.

To ensure proper ESWM practice of all stakeholders as a "way of life," they can be encouraged by providing an award or an incentive scheme for ESWM practitioners. The 1.GU must also have strong advocacy on segregation of solid waste at source formed be a. The "Green Cooperative" can also be which may accept members who are dedicated to ESWM practices. The cooperative can group of organic farmers, rolling junkshops/junkshop owners and the like.

➤ **TYPE OF SOLID WASTE DISPOSAL**

▪ ***SOURCE REDUCTION***

The municipality will implement an intensive information and education campaign for source reduction to effectively reduce the waste generation at source.

Waste reduction practices such as the use of reusable and recyclable materials shall be implemented to all waste generators and they will be

mandated to segregate their solid wastes into four (4) classifications Biodegradable, Recyclable, Residual and Special.

All kinds of waste coming from the public market and other places covered by the waste collection of the Municipal Government shall be transported to the Municipal Material Recovery Facility (MRF) for final sorting and processing. Only residual and special wastes shall be brought to the Transfer Facility for final disposal.

▪ **COLLECTION EQUIPMENT AND ROUTES**

No Segregation No Collection Policy shall be strictly observed and to implement this program the LGU shall purchase an additional three collection truck painted with color in accordance with the type of wastes to be collected as specified in our Municipal Environment Code. The three existing (3) trucks being used to haul/collect unsorted garbage at different collection points will be used to collect non-biodegradable waste. Garbage collection of both biodegradable and non-biodegradable waste shall be done simultaneously starting dawn of each day at the town proper, particularly along Rizal Avenue and the busy street of A. Golca, D. Frianeza, M. Ydia, P. de Guzman, E. Abalos, so that by daybreak all is well and clean for the usual busy business day. Acquisition of additional waste collection vehicles will be parts of the entire planning period in order efficiently address the collection of garbage.

▪ **STORAGE AND SETOUT**

Waste receptacles of three different colors shall be installed in strategic places. The three receptacles can be Red for Residuals, Green for Biodegradable and Yellow for Recyclables. Monitoring of these receptacles will be done by Municipal Environment and Natural Resources Office personnel.

▪ **SEGREGATED RECYCLABLES**

Segregated recyclables shall be collected twice a week by the municipal dump truck the municipality will install placards or notice of collection schedule in strategic places. Plastics and PET bottles can be directly put in the dump trucks while a big bin will be used to accommodate broken glass.

▪ **SEGREGATED COMPOSTABLE**

The municipality through its IEC program will teach the people the proper handling of biodegradable solid wastes. Encourage them to make a compost pit or with the use of containers such as drums, pails, cans, durable plastic bags, sacks, and etc. especially to households with yard spaces. Compostable waste will only be collected if there is no other choice or obviously lack of garden spaces.

- **MIXED SOLID WASTE/RESIDUALS**

The municipality through the IEC can teach the people the proper packaging of residuals for collection. As part of the color-coding system of garbage container being implemented by the municipality all garbage generators will be asked to adopt the same color in the implementation of their solid wastes management practices, Red for Residuals, yellow for recyclables and green for Biodegradables wastes. As mandated, the Barangay shall facilitate the collection of biodegradable and recyclable waste in its area of jurisdiction. The officials of the 30 barangays should coordinate with the municipality on the collection schedule of residual and special wastes from their barangay MRF which will be schedule from 8:00 AM to 5:00 P.M of Monday to Saturday. No segregation, no collection policy will be strictly implemented in all barangay MRF.

- **SEGREGATION, RECYCLING, AND COMPOSTING**

Each barangay shall promote segregation of waste at the household level. Biodegradable waste shall be left in the households for them to compose. At start-up, schedules of collection must be posted and be announced during barangay meetings and consultations. There will be a strict implementation of "no segregation, no collection". Only residuals and recyclable materials shall be collected. Monitoring and enforcement shall be done by the waste collectors and transfer facility operators. Other technical assistance shall be provided by the municipality to the barangay.

Inventory, organization and accreditation of existing junkshops shall be done before establishments of MRFs in each of the barangays or in clusters of barangays. Inventory of materials accepted in the junkshops can also be done as basis for computations in the amount of diversion. Monitoring and enforcement of recycling activities shall be done by the barangay and submit reports to the municipality on a semi-annual basis.

At the Barangay level Biodegradable waste can be brought in the MRF. Natural decomposing process can be done using African Nightcrawlers as bio-decomposer for composting. Manual shredding of biodegradable waste will be done to be fed to vermi worms. These earthworms are beneficial soil animals that feed on decaying organic materials and produce humus through their excreta or casting. This process is an environment-friendly and efficient way of converting farm and household wastes into useful products, compared to ordinary composting which requires three to six months, while vermin composting only takes four to five weeks. The decomposed waste and the casting or excreta are used as organic fertilizer in farms for crops, vegetables, flowers, garden and others. The excess worms can be converted into vermi-protein, which can be utilized as feeds on poultry, and fish. Furthermore, the liquid extracts of vermin

compost known as vermin tea can also be used as foliar application on ornamental plants.

Backyard composting will be promoted and encouraged because this method helps reduce the cost of collection. In case back yard composting is not possible, the barangays will have to collect the biodegradables and bring them to the barangay central composting facility for processing.

At the Central Business District and Poblacion area, the municipality and barangay will help each other in collecting biodegradable waste and transport them to the Municipal Composting Facility located at barangay Banaoang for processing.

The Municipal Agriculture Office and the Municipal Environment and Natural Resources Office will spearhead this project, since the compost can be used for its organic agriculture project and in promoting "Gulayan sa Paaralan".

▪ **MARKETING**

An average of 650 kgs. of bio-wastes coming from the Mangaldan Public Market were being processed as soil enhancer at the Agro Waste Treatment Facility situated at barangay Banaoang and is currently being sold at 120 Pesos/sack. The use of commercial fertilizer is rampant in the agricultural sector. The Municipal Agriculture Office can help promote the use of organic fertilizer among farmers. Encourage them to use organic fertilizer and grow crops, vegetables and fruits of higher value.

The municipality has forty-four (44) registered junkshops aside from those small-scale junkshops. Recycling activities are prevalent in the municipality even before RA 9003 was approved. The ESWM Board may organize the junkshop owners and the rolling junk buyers. MRFs can be stabilized in barangays without junkshops.

▪ **DISPOSAL FACILITY**

Disposal Facility of the municipality survives for approximately twenty years started from open dump facility and switched to municipal transfer facility. Possibly with the Implementations of the plan strategies for waste reduction, it is expected that volume of waste will be lessen and no longer issue for relocation. But since the disposal facility still existed it is subject for improvement and conversion to an Eco Park.

According to NSWMC Resolution No. 26, an Ecology Park refers to a location where various activities related to the management of biodegradable, non-biodegradable, recyclable, and residual wastes are carried out. These activities may include composting, vermin composting, Material Recovery Facilities (MRFs), recycling, and other relevant processes.

Under R.A. 9003 open and controlled dumpsite is longer allowed as disposal facility giving no option to the municipality but to look for and enter into a Memorandum of Agreement with the nearest environmentally acceptable

disposal facility which requires a huge amount of budget for the payment of tipping fee. At present, the municipality is currently dumping an average of 12.63 tons/daily having a volume of 19.52 cubic meters at the Sanitary Landfill of Metro Clark Waste Management Corporation situated at the municipality of Capas, Tarlac. With this, the municipality should appropriate an estimated Seven million eight hundred thirty-six thousand five hundred one and 33/100 pesos. (P7,836,501.33) as tipping for the calendar year 2023.

As part of the municipality's initial efforts, the recently acquired land located southeast of the municipal transfer facility has been utilized for planting forest trees as a preparatory step towards establishing an Eco Park. Additionally, the municipality intends to procure the nearest land adjacent to the transfer facility from landowners, ensuring they receive appropriate compensation as per the specified requirements for expansion. This project aims to improve the negative perception associated with the accumulation of residual waste in mountainous areas and facilitate the systematic treatment of the collected waste.

The Materials Recovery Facility (MRF) will be relocated from Brgy Guilig to the adjacent land of the Municipal transfer facility to improve accessibility for the handling of dumped waste materials. One of the functions of the MRF will be to generate income. Currently, biodegradable composting is actively carried out at the MRF using a mechanical shredder machine and natural composting methods. With the transfer of the MRF, animal manure from the municipal slaughterhouse and livestock auction market will be collected to enhance and produce organic fertilizers. To expedite the decomposition process, a field study will be conducted, utilizing effective treatments such as the use of cultured beneficial microorganisms as catalysts for faster composting of biodegradable waste materials. Various parameters will be examined to determine the comparative effects on composting materials. If this study yields significant results, the production of organic fertilizers will continuously meet the needs of farmers and serve as an income-generating project for the municipal government, supporting the concept of "My Pera Sa Basura" (My Money from Waste). As operations commence, gardening or farming activities will be prioritized to enhance the area's aesthetics and promote the use of high-quality organic fertilizers derived from biodegradable waste.

▪ **DISPOSAL CAPACITY**

The municipal transfer facility currently handles a weekly volume of 318 m³ of municipal waste. It undergoes waste compaction twice a year using a Provincial bulldozer for rehabilitation purposes. Additionally, regular waste scraping is conducted every two weeks using a payloader. The conversion of the municipal transfer facility into an Eco Park is estimated to have a projected operational duration of 15 years. However, the success of the waste reduction

plan implementation is expected to extend the facility's operation beyond this initial timeframe.

- **BIOGAS FACILITY INSTALLATION**

Biodegradable materials produce gas when undergo decomposition. One alternative treatment for biodegradable solid wastes is installation of biogas facility to utilize waste gases. Biodegradable waste will be mixed with animal manure collected from the slaughterhouse for effective result. These will significantly control unnecessary odor coming from these operational building. Improvised biogas digester shall be made first in order to prepare a broader project if it was done successfully.

Accredited scavengers are only allowed and to control increasing number of waste pickers in the transfer facility. They are considered as part of the facility for they help recovering recyclable and reusable solid waste.

- **EXISTING FACILITIES**

Mangaldan's Municipal Transfer facility is located on 1.2 hectares of land in Barangay Banaoang. It is located 2.5 kilometers from the town center. The Municipal Transfer Facility was established in 1988. The site is encircled by a concrete perimeter fence and newly planted with mahogany seedlings in the rear section. In conformity with the provisions of RA. 9003, the municipal transfer facility, must be assessed by the Department of Environment and Natural Resources (DENR) for Pre-Closure and Rehabilitation purposes.

The Materials Recovery Facilities (MRF) located in Barangay Malabago and Anolid, which are industrialized barangays near Dagupan City, are also in compliance with the provisions of RA 9003. These MRFs play a crucial role in the proper management of solid waste in their respective areas.

- **NEW PROPOSED FACILITIES**

Due to its vulnerability to flooding, the municipality of Mangaldan has received recommendations to collaborate with the neighboring municipality of San Jacinto. After conducting an initial interview with the Municipal Administrator of San Jacinto and conducting an on-site visit, the DENR Region I identified a suitable area in Barangay Away for the establishment of a Sanitary Landfill. However, negotiations regarding ownership and social acceptance for the construction of the Sanitary Landfill are still ongoing. In 2017, the municipality expressed its intention to dispose of its waste at a proposed Waste-to-Energy Facility in Laoac, Pangasinan. This intention was formalized through the signing of a Memorandum of Agreement, and the facility is expected to be operational within a two-year timeframe.

- **SPECIAL WASTES**

The Rural Health Unit, health centers and clinics in the municipality may practice solid waste management by segregating their waste into different types

and provide the following storage facilities and adopt measures as required by PD 856 and DOH rules and regulation:

Septic tanks for their liquid waste and injection.

1. Designed containers with trusted solution for their sharp products.
2. Disinfect all recyclables before marketed to junkshops.
3. Proper disposal of sharps and pathological waste.
4. Designed trashcan for their accumulated solid waste.

Special and hazardous wastes, including paints, thinners, household batteries, lead acid batteries, spray canisters, bulky wastes, consumer electronics, used oil, and tires, will be managed separately from other types of waste. The municipality will actively seek out establishments that engage in recycling and reusing activities, using special and hazardous wastes as raw materials. To handle these wastes, a septic vault will be constructed at the disposal facility. According to Table 8, which presents the quantity of waste disposed by sector, the volume of special and hazardous wastes generated by households, health facilities, and other sectors is expected to increase by 1.33% annually, in line with the population growth.

Management of special wastes shall be as follows:

1. *Household Hazardous Waste* – a collection day each month will be scheduled and the collected household hazardous waste shall be brought to the Materials Recovery Facility.
2. *Lead-Acid Batteries* – arrangement shall be made with recyclers.
3. *Consumer Electronics* – arrangement shall be made with recyclers.
4. *Used Oil* – a collection point will be established and people will be encouraged to bring their used oil to the collection point. Arrangement shall be made with recyclers of used oil.
5. *Tires* – same collection point with used oil. Arrangement shall be made with recyclers of used tires. Those that can be converted into trash bins/pots will be recycled at the Municipal MRF.

▪ **INFORMATION, EDUCATION AND COMMUNICATION (IEC)**

Community involvement is a vital factor in the success of the waste management program. The people of the town should not only be well informed of the program but must be motivated in wholeheartedly participating towards the success of the program.

Thus, a massive IEC should be implemented using printed materials, seminar - lecture series and dialogues with all sectoral groups, i.e., barangay officials, homeowners' associations, public and private schools, food chain operators, hospitals / clinics, junk yard owners, etc. The importance of segregating wastes and complying with collection schedule will be emphasized. Composting biodegradable waste at the backyards will also be given emphasis.

▪ CORE MESSAGES

The following items can be made as IEC Materials:

1. Booklet will be entitled "Ang Wastong Pamamahala ng Basura" or "Proper Solid Waste Management" this can be written in Filipino, Pangasinan and English version. The booklet may include: the message from the Municipal Mayor, brief solid waste citations of Mangaldan; definition of solid waste and proper solid waste management, steps or procedures of solid waste management practices such as reuse, reduce, segregate at source, composting and proper packaging of residuals for collection and disposal; discourage the use of materials containing hazardous materials and benefits from proper solid waste management.
2. Visible signboards which may contain ESWM slogans, collection schedule and fines and penalties for non-compliance and announcements of Clean & Green contest at barangay and household level.
3. Standardized Power point, Video and Audio Presentation which will include: the message from the Municipal Mayor, brief solid waste situation of Mangaldan; definition of solid waste and proper solid waste management; steps or procedures of solid waste management practices such as reuse, reduce, segregate at source, composting and proper packaging of residuals for collection and disposal; discourage the use of materials containing hazardous materials and benefits from proper solid waste management. The video can be shown in the schools while the Power point may be presented among the barangay council officials; SK and civic leaders. These can also be plug over local television and radio stations.
4. Trainer's Training Kit for the Barangay Officials which will be used for training their subordinates after them being trained. This may contain the booklet and standardize Power point or video for SWM in the municipality.

APPROACH

IEC (Information-Education- Campaign) of the policy is important to make the society act accordingly. This will not give them reason for not abiding because they were informed. Voluntary compliance would obviously institutionalize social participation in waste management. However, since it would really take time to change behavior, involuntary compliance is also an option that can lead to change at a sooner time Therefore, to ensure change, different IEC approaches that promote voluntary and involuntary compliance should be used. Among possible programs that can be done are the following:

1. **Conduct Policy Education Campaign.** This would include brief lectures to schools specially to grade school level because their young minds are very much open to learning. It will be done in each class to achieve greater probability that the knowledge and understanding will be imparted to the students. This would also most likely give rise to voluntary compliance. In addition, in every household has at least one child who goes to school. Therefore, information can also be disseminated

2. **Promote Public Awareness.** Advertisement is one of the most common forms of public information. Billboard is an option that does not need much labor and resources. However, it should be built in areas that are the usual path of people.

3. **Conduct Community Seminars.** This would deal with providing knowledge on how to do the segregation at the household level and other solid waste management strategies. Composting and recycling can also be discussed at the barangay level. In general households are the main source of garbage and solid waste materials.

Sometimes because of irresponsibility and lack of discipline on proper waste disposal, households were always depending on their community chairman or barangay officials in resolving their waste problem. By strict enforcement and implementation of cleaning their respective areas, and organize waste treatment, this shall be a great help on solid waste reduction and to prevent dumping of garbage in any unwanted places.

4. **EIC in Academic Institutions.** Mangaldan National High School and other schools in the municipality of Mangaldan is where the diversity of students can be found, which comes from different barangays and nearby towns who can be taught of proper solid waste management inside the school. The ESWM practices such as reduction, recycling, segregation and may designate composting facilities. Students may also apply this into their homes.

5. **Household Segregation.** Households are the predominant sources of solid waste in the Philippines. Therefore, it is imperative to ensure segregation of household wastes. Segregation, recycling and proper packaging of mixed waste and residuals can also be discussed.

IMPLEMENTATION STRATEGY

▪ ENGINEERING COMPONENT

The Engineering Component is an internal portion of the ESWM Program of the municipality. It is the backbone of the program and as such, has to be firmly in place to ensure efficient and effective implementation. Basically, it involves the adequate SWM support system and facilities. The following activities have been identified and should be implemented under this component.

1. Improvement of waste collection system;
2. Establishment of Material Recovery Facility in the barangay or clustered barangays;
3. Fabrication of waste receptacles and composting module;
4. Improvement of Mangaldan Transfer Facility:
5. Maintenance of waste shredding/hammer roll machines: and
6. Regular Monitoring and Evaluation.

The municipality has a municipal backhoe and pay loader for scraping, loading and compaction of dumped residuals waste at the Mangaldan Transfer Facility. The municipality shall purchase additional heavy equipment facility/es (Pay loader, crawler type backhoe) for the operation of the transfer facility.

IEC SOCIAL MARKETING COMPONENT

Another major component of the ESWM Program is information, education and campaign aspect. Through IEC people will develop awareness on the importance of ESWM. Continues education through seminars, training, forum and exposure to the media will enable stakeholders to intervene principles and processes of solid waste management and finally became their way of life. This will be carried out by undertaking the following:

1. Organize IEC for groups to prepare programs, modules, and IEC materials;
2. Conduct orientation and trainings of trainers and organize speakers;
3. Conduct consultation, meetings and general assembly in all barangays;
4. Coordinate with school officials to integrate ESWM Programs at all levels as mandated by law under RA 9003; and
5. Clean and Green Program.

▪ *ENFORCEMENT COMPONENT*

Perhaps, implementation of Solid Waste Management is a different task especially when community/stakeholders do not participate or support the program. This component has been integrated in the plan to ensure compliance and implementation support to the program. Basically, this component will cover both the policy and enforcement requirement of the program such as the following:

1. Strict implementation of the comprehensive Ecological Solid Waste Management Ordinance and Environment Code of the Municipality based on the provisions stipulated in RA 9003 and this ESWM Plan which include provisions in Engineering Systems, garbage collection fees, fines and penalties, revenues, budget allocation and others;

2. Deputization of Mangaldan Task Force Kalikasan such as the MENRO personnel, traffic enforcers, Barangay Tanods and sanitary inspectors and others;

➤ **BARANGAY SOLID WASTE MANAGEMENT**

	BARANGAY	No. of Population	No. of HH	MRF Location	Type of Garbage Collection Vehicle	No. of Garbage Collection Vehicle
1	ALITAYA	4643	1270	IN FRONT OF BRGY.HALL	NONE	NONE
2	AMANSABINA	2990	721	Infront of Barangay Hall	0	0
3	ANOLID	8282	2138	Near Barangay Hall	1 Mini Dump Truck (6.5 - 7.5 tons)	1 Mini Dump Truck (6.5 - 7.5 tons)
4	BANAOANG	6425	1592	Banaoang, Mangaldan, Pangasinan	1 Garbage Truck	1 Garbage Truck
5	BANTAYAN	6425	1592	NONE	N/A	N/A
6	BARI	6151	1493	Barangay Hall	(1) GARUNG	(1) GARUNG
7	BATENG	3190	741	None	None	None
8	BUENLAG	5093	1124	FARMERS RD.	1 DUMP TRUCK	1 DUMP TRUCK
9	DAVID	5510	1246	BESIDE DAVID COVERT COURT	NONE	NONE
10	EMBARCADERO	3744	733	BARANGAY HALL AREA	NONE	NONE
11	GUEGUESANGEN	2617	642	Back of Old Barangay Hall	0	0
12	GUESANG	3895	952	BARANGAY HALL	NONE	NONE
13	GUIGUILONEN	3525	771	BRGY. HALL	NONE	NONE
14	GUILIG	3805	788	Near Municipal Cemetery	1 Mini Dump Truck (1.2 Tonner)	1 Mini Dump Truck (1.2 Tonner)
15	INLAMBO	2075	493	BARANGAY HALL	1 GARUNG	1 GARUNG
16	LANAS	3856	854	0	0	0
17	LANDAS	2817	640	NONE	NONE	NONE
18	MAASIN	4085	1098	Near Brgy. Hall	N/A	N/A
19	MACAYUG	3015	704	None	None	None
20	MALABAGO	5315	1385	Zone III	1 Truck (Tadano)	1 Truck (Tadano)
21	NAVALUAN	4276	918	0	NONE	NONE
22	NIBALIW	3651	8900	ZONE 6	None	None
23	OSIEM	3779	1014	Front of Barangay Hall	Garong	Garong
24	PALUA	2734	623	Purok V - Back of Barangay CHAPEL/Beside of Brgy. Covered Court	NONE	NONE
25	POBLACION	4375	1028	BRGY. BANAOANG, MANGALDAN, PANG.	CANTER MINI DUMP TRUCK - 6 cu. m.	CANTER MINI DUMP TRUCK - 6 cu. m.
26	POGO	1808	436	BACK OF BARAGANGAY HALL	GARONG	GARONG
27	SALAAN	3139	806	0	0	0
28	SALAY	5994	1398	INFRONT OF BRGY. HALL - (northern part)	ULOPAN	ULOPAN

29	TALOGTOG	2664	737	Infront of Barangay Hall	Barangay Service (Garong)	Barangay Service (Garong)
30	TEBAG	3282	760	Infront of Brgy. Hall	N/A	N/A
TOTAL		123160	37597			

The data provided shows the population, number of households, Material Recovery Facility (MRF) location, type of garbage collection vehicle, and the number of garbage collection vehicles for each barangay in a specific area.

	BARANGAY	SOLID WASTE MANAGEMENT PRACTICES						
		Frequency of Garbage Collection	No. of Households	Segregation at Source	Composting	Burying	Open Burning	Open Dumping
1	ALITAYA	N/A	1240	54	75	330	338	275
2	AMANSABINA	0	721	117	84	127	150	126
3	ANOLID	Every Friday	2138	855	214	431	434	204
4	BANAOANG	Every Week (Sunday)	1594	410	161	212	197	488
5	BANTAYAN	N/A	0	0	0	0	0	0
6	BARI	DAILY	1867	103	56	35	0	40
7	BATENG	None	741	76	214	295	159	0
8	BUENLAG	0	1124	377	331	331	0	0
9	DAVID	NONE	1246	231	213	269	263	214
10	EMBARCADERO	N/A	683	77	70	215	227	144
11	GUEGUESANGEN	0	642	315	292	91	11	11
12	GUESANG	N/A	642	795	0	167	138	647
13	GUIGUILONEN	NONE	771	269	147	142	79	138
14	GUILIG	Weekly (4x per Month)	788	0	0	675	0	0
15	INLAMBO	0	493	91	93	85	156	67
16	LANAS	0	874	574	0	170	90	484
17	LANDAS	NONE	640	43	55	172	249	121
18	MAASIN	N/A	799	70	98	20	10	13
19	MACAYUG	None	704	0	0	4	37	0
20	MALABAGO	Once a Week	1282	1129	45	61	0	7
21	NAVALUAN	0	918	603	48	267	0	0
22	NIBALIW	N/A	898	117	310	302	0	159
23	OSIEM	0	1013	104	90	110	110	69
24	PALUA	NONE	0	0	0	0	0	0
25	POBLACION	2x/week (Wednesdays & Sundays)	0	1197	0	0	0	0
26	POGO	0	436	103	81	122	69	61
27	SALAAAN	0	806	113	78	60	100	74
28	SALAY	NONE	0	0	0	0	0	0
29	TALOGTOG	Twice a week	737	0	260	258	138	77
30	TEBAG	N/A	765	211	21	49	150	83

TOTAL		24562	8034	3036	5000	3105	3502
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The data provided outlines the solid waste management practices in various barangays, including the frequency of garbage collection, number of households, segregation at source, composting, burying, open burning, and open dumping.

WASTE REDUCTION PROGRAM

SOURCE REDUCTION PROGRAM	IMPLEMENTATION SCHEDULE	MATERIALS TO BE ADDRESSED	ORDINANCES AND OTHE FORMAL ACTIONS	SOCIAL IMPACT	ESTIMATED DIVERSION FROM SOURCE REDUCTION	AGENCY/GROUP / PERSON- INCHARGED
Regulating the use of Plastic/ Styro Policy	2023	Plastic/san do bag and Styrofoam	Implement the provision of the Environmental code regulating the used of plastic/sand o bag and Styrofoam as secondary packaging material	Resistance from both seller and users, awareness campaign is needed to effect positive change.	50% of WACS results of residuals waste will be reduced	LCE/GSO/ MENRO
BALIK- (ONG/BASKE T/ USABLE BAGS PROJECTS	2023	Plastic bag and Styrofoam	Encourage market goers to use eco- friendly bags, bayong or basket when buying goods in the market	Livelihood income for Bayong/Basket/ Reusable bags producers	90% of recyclable item will be retrieved from the wastes stream	MENRO/ OFFICE OF THE MARKET SEPERVERIS OR
ESABLISHME NT OF BUY BACK ENTERS FOR RECYCABLE MATERIALS	2023	Recyclable Materials	Establishme nt of green cooperative s or junkshops among waste pickers and rolling junkshops	Promotes recycling, resource conservation and organized group of waste pickers and rolling junkshops	90% of recyclable item will be retrieved from the wastes stream	LCE/MPD C/MCO/ MENRO

4.1 EMPLOYMENT AND INCOME

➤ EMPLOYMENT RATE

EMPLOYMENT BY SEX, BY BARANGAY (CBMS 2016)

BARANGAY	NUMBER OF MEMBERS OF LABOR FORCE			EMPLOYED MEMBERS OF THE LABOR FORCE*					
	TOTAL	MALE	FEMALE	MAGNITUDE			PROPORTION		
				TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE
MANGALDAN	31389	20936	10453	28979	19400	9576	92.31	92.66	91.91
Alitaya	1335	941	394	1188	848	340	88.99	90.12	86.29
Amansabina	686	452	234	685	452	233	99.85	100	99.57
Anolid	2644	1746	898	2410	1611	799	91.15	92.27	88.98
Banaoang	1230	887	343	1109	805	304	90.16	90.76	88.63
Bantayan	1112	777	335	1036	725	311	93.17	93.31	92.84
Bari	1481	979	502	1407	934	473	95	95.4	94.22
Bateng	801	571	230	780	555	225	97.38	97.4	97.83
Buenlag	1006	686	320	985	673	312	97.91	98.11	97.5
David	1581	997	584	1480	944	536	93.61	94.68	91.78
Embarcadero	878	613	265	806	566	240	91.8	92.33	90.57
Gueguesangen	947	573	374	905	551	354	95.56	96.16	94.65
Guesang	1323	930	393	1232	859	373	93.12	92.37	94.91
Guiguilonen	993	591	402	885	527	358	89.12	89.17	89.05
Guilig	997	644	353	988	639	349	99.1	99.22	98.87
Inlambo	361	267	94	312	234	78	86.43	87.64	82.98
Lanas	1126	761	365	1090	742	348	96.8	97.5	95.34
Landas	570	424	146	494	366	128	86.87	86.32	87.67
Maasin	834	77	257	762	542	220	91.37	93.93	85.6
Macayug	762	548	214	700	510	190	91.86	93.07	88.79
Malabago	1239	827	412	1070	723	347	86.36	87.42	84.22
Navaluan	1194	788	406	1083	713	370	90.7	90.48	91.13
Nibaliw	1066	723	343	937	624	313	87.9	86.31	91.25
Osiem	921	645	276	838	593	245	90.99	91.94	88.77
Palua	582	408	174	495	354	141	85.05	86.76	81.03
Poblacion	1440	794	646	1401	767	634	97.29	96.6	98.14
Pogo	542	346	196	510	320	190	94.1	92.49	96.94
Salaan	816	545	271	779	523	256	95.47	95.96	94.46
Salay	1196	835	361	994	702	292	83.11	84.07	80.89
Talagtog	828	561	337	857	545	312	95.43	97.15	92.58
Tebag	898	500	328	758	453	305	91.55	90.6	92.99

*Employed members of the labor force. Labor force members includes all members 15 years old and above who are currently working or actively seeking for work.

**Number of Employed members of the labor force over total number members of the labor force Source: CBMS Census 2016 – 2017

UNEMPLOYMENT BY SEX (CBMS 2016)

Municipality	Number of members of the labor force			Unemployed members of the labor force*					
	Total	Male	Female	Magnitude*			Proportion**		
				Total	Male	Female	Total	Male	Female
MANGALDAN	31389	20936	10453	2413	1536	877	7.69	7.34	8.39

*Unemployed members of the labor force. Labor force members includes all members 15 years old and above who are currently working or actively seeking for work.

**Number of unemployed members of the labor force over total number members of the labor force Source: CBMS Census 2016 - 2017

➤ NUMBER OF OVERSEAS FILIPINO WORKER (OFW)-CBMS 2016

Group	Frequency					
	Magnitude*			Proportion		
	Total	Male	Female	Total	Male	Female
FILIPINO OVERSEAS						
Overseas Filipino Workers (OFWs)	3022	1424	1598	100	47.1	52.9

4.2 COOPERATIVES

LIST OF COOPERATIVES IN MANGALDAN (AS OF CY 2023)

COOPERATIVES NAME	CHAIRPERSON/ MANAGER	ADDRESS	CONTACT NUMBER
1. Landas Agriculture Cooperative (LACOOOP)	Alejandro L. Qunit	156 Landas, Mangaldan, Pang.	0927-492-9608
2. Mangaldan Local Employees' Producers Cooperative (MLGEPC)	Julieta C. Petonio	Rizal Avenue, Poblacion Office of the Budget Officer LGU-Mangaldan, Pangasinan	0917-837-2462
3. Mangaldan Mango Growers, High Value Crops and Agriculture Cooperative (Mango Growers)	Perfecto Liquiran	Broquil St. Extension Palua, Mangaldan, Pangasinan	0917-526-3148
4. Mangaldan National High School Faculty, Employees and Retirees Multipurpose Cooperative (MNHS-FERMC)	Danilo S. Eden	P. De Guzman St. Mangaldan National High School Mangaldan, Pangasinan	0998-158-2987
5. Mangaldan Savings and Credit Cooperative (MSCC)	Pedrito N. Rivera	Public Market, Poblacion Mangaldan, Pangasinan	0933-822-2284
6. Virgen Milagrosa Savings and Credit Cooperative (VMSCC)	Angel P. Cabrera	Malabago, Mangaldan, Pangasinan	0918-255-2944
COOPERATIVE BRANCHES			
1. Santa Cruz Savings and Development Cooperative (SACDECO)	Paterno Hadap, Jr.	Rizal Avenue, Poblacion Mangaldan, Pangasinan	0928-367-6864 075-592-7942
2. Lighthouse Cooperative	Ptr. Joseph Saringan	Bari, Mangaldan, Pangasinan	0917-126-1744

Source: MCO Mangaldan 2023

4.3 RECREATION AND SPORT FACILITIES

EXISTING SPORTS AND RECREATIONL FACILITIES BY BARANGAY

Barangay	Facility	Location	Surface (Indicate if Concrete/Earth, Others)	Land Area (sq.m.)	Indicate Public or Private
Alitaya	Whole Court	Alitaya Elementary School	Concrete	79.58 sq.m	Public
Amansabina	Whole Court	Amansabina Elementary School	Concrete	189.11 sq. m	Public
Banaoang	Whole Court	Barangay Hall	Concrete	567.19 sq. m	Public
Bantayan	Whole Court	Bantayan IS and Sped Center	Concrete	845.5 sq. m	Public
Bari	Whole Court	Bari Elementary School	Concrete	466.16 sq. m	Public
Buenlag	Whole Court	Buenlag Elementary School	Concrete	679.57 sq. m	Public
David	Whole Court	David Integrated School	Concrete	148.72 sq. m	Public
Embarcadero	Whole Court	Embarcadero Elementary School	Concrete	456.48 sq. m	Public

Gueguesangen	Whole Court	Gueguesangen Integrated School	Concrete	626.89 sq. m	Public
Guesang	Whole Court	Guesang Elementary School	Concrete	268.77 sq. m	Public
Guesang	Whole Court	Barangay Hall	Concrete	456.39 sq. m	Public
Lanas	Whole Court	Lanas Elementary School	Concrete	768.83 sq. m	Public
Landas	Whole Court	Barangay Hall	Concrete	573.54 sq.m	Public
Maasin	Whole Court	Barangay Hall	Concrete	732.99 sq. m	Public
Macayug	Whole Court	Macayug Elementary School	Concrete	456.78 sq. m	Public
Malabago	Whole Court	Malabago Elementary School	Concrete	533.14 sq. m	Public
Navaluan	Whole Court	Navaluan Elementary School	Concrete	516.01 sq. m	Public
Nibaliw	Whole Court	Nibaliw Elementary School	Concrete	515.8 sq. m	Public
Poblacion	Whole Court	MYDC Mangaldan Public Plaza	Concrete	1,229.56 sq. m	Public
Poblacion	Whole Court	Mangaldan National High School	Concrete	541.08 sq. m	Public
Poblacion	Whole Court	Mangaldan Central School	Concrete	259.34 sq. m	Public
Poblacion	Open Field	Mangaldan Central School	Concrete	10,383.79 sq.m	Public
Pogo-Palua	Whole Court	Pogo-Palua Elementary School	Concrete	429.94 sq.m	Public
Salaan	Whole Court	Salaan Elementary School	Concrete	616.22 sq.m	Public
Salay	Whole Court	Salay Elementary School	Concrete	392.12 sq.m	Public
Talogtog	Whole Court	Talogtog Elementary School	Concrete	522.73 sq. m	Public
Tebag	Whole Court	Tebag Elementary School	Concrete	313.24 sq.m	Public

This data appears to focus on the presence of basketball courts within these barangays, typically located within schools or barangay halls.

CURRENT AND FUTURE POLICE FORCE REQUIREMENTS CY 2016-2023			
YEAR	NO. OF POLICE (EXISTING)	PROJECTED POPULATION	POLICE FORCE REQUIREMENT
2016	75	107883	107
2017	75	109459	109

2018	72	111057	111
2019	66	112678	112
2020	81	113185 (Actual PSA Census)	114
2021	76	114679	116
2022	85	116,193	118
2023	87	117,727	117

4.4 PROTECTIVE SERVICES

➤ **TOTAL NUMBER OF POLICE PERSONNEL**

	2016	2017	2018	2019	2020	2021	2022	2023
POPULATION	107,883	109,459	111,057	112,678	113185	114679	116,193	117,727
Policemen (1:1000)	107	109	111	112	114	116	118	117
Existing	75	75	72	66	81	76	85	87

➤ **PROJECTION AND EXISTING POLICE – POLICE RATIO**

PEACE AND ORDER						
Comparative Crimes Statistics CY 2018-2023						
Crime/Offense	2018	2019	2020	2021	2022	2023
Crime Volume	1,365	943	231	134	202	332
Index Crime	113	77	44	25	15	35
None-Index Crime	151	138	187	109	187	297
Crime Solved	1,112	786	173	97	174	306
Average Monthly Crime Rate	1,232.72	851.62	17.38	10.08	15.20	23.5
Crime Solution Efficiency	81.46%	83.35%	74.89%	72.38%	86.14	92.40

Source: PNP 2023

➤ **FIREFIGHTING PERSONNEL AND FACILITIES**

FIRE PREVENTION ACTIVITIES 2016-2023

FIRE PREVENTION ACTIVITIES	2016	2017	2018	2019	2020	2021	2022	2023
Number of business permit Application processed	1724	2,073.	2,213	2548	2461	2577	2,577	2,425
Number Of fire Safety Inspection certificate Issued	1,724	2,073	2,213	2548	2461	2623	2,577	2,542
Number Of Building Plan Reviewed and	202	238	226	236	266	353	368	379

Processed								
Number of Fire safety Inspection Conducted	1,926	2,311	2,439	2,784	2727	2623	368	2,542
Number of Fire Code Fees Collected	583,083	631,899.00	672,872	953,670.00	2,094,803	2,330,020.00	2,475,518.69	2,891,254.00
Amount Of Fire Drill Conducted	37	40	37	45	-	0	13	41
Number of Lectures Conducted	8	54	8	45	-	6	13	55
Number of Ugnayansa Barangay Conducted	24	30	24	24	5	6	13	30

Source: PNP& BFP 2023

➤ FIRE INCIDENTS

FIRE INCIDENT RESPONDED	2017	2018	2019	2020	2021	2022	2023
Number of Structural Fire Responded within AOR	1	6	6	7	7	11	3
Number of Post Fire Responded within AOR	0	-	-	-	0	0	0
Number of Grass Fire Responded within AOR	13	-	1	-	0	1	2
Number of Rubbish Fire responded within AOR	0	1	-	2	0	0	0
Number Of Vehicular Fire Responded Within AOR	1	-	-	2	1	1	0

Source: PNP& BFP 2023

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	TOTAL
2023	0	2	1	0	1	0	0	0	0	1	0	0	5

	NO. OF FIRE CALLS RECEIVED	NO. OF FIRE CALLS RESPONDED			
		STRUCTURAL	NON-STRUCTURAL	VEHICULAR	TOTAL
MANGALDAN FS	5	2	3	0	5

FIRE SAFETY INSPECTION		
YEAR	TARGET	ACCOMPLISHMENT
2023	2452	2511

Item	CY 2023		
SERVICES			
Firemen	Male	Female	Total
	13	5	18
FACILITIES			
Fire Station	1		

Substation	0
COMMUNICATIONS	
Transceiver	0
PLECS	0
Telephones	2
Handheld Radio	7
Others: Mobile	1
VEHICLES	
Motorcycle	0
Bicycle	0
Firetruck	2
Others (Pls. Specify): Garong	1

Source: Municipal BFP

PROTECTIVE SERVICES BY FACILITIES AND EQUIPMENT CY 2015-2019 (BUREAU OF FIRE PROTECTION)					
ITEM	DESCRIPTION/ NUMBER CY 2019	DESCRIPTION/ NUMBER CY 2018	DESCRIPTION/ NUMBER CY 2017	DESCRIPTION/ NUMBER CY 2016	DESCRIPTION/ NUMBER CY 2015
SERVICES					
Firemen	14	12	12	12	8
FACILITIES					
Fire Station	1	1	1	1	1
Substation	0	0	0	0	0
COMMUNICATIONS					
Transceiver	0	0	0	0	0
Telephones	2	2	2	2	2
Handheld Radio	2	0	0	0	0
Others: Mobile	1	1	1	1	1
VEHICLES					
Motorcycle	0	0	0	0	0
Firetruck	2	2	2	2	2
Others (Pls. Specify):	0	0	0	0	0

Source: Municipal BFP

SUMMARY OF FIRE INCIDENCE CY 2020-2022		
YEAR	NUMBER OF CASES	AMOUNT DAMAGE
2020	11	Php 816,500.00
2021	8	Php 864,555.00
2022	13	Php 914,257.50
2023	5	323,135.00

In 2023, there was a notable decrease in the number of fire incidents, dropping to 5 cases. However, the damage incurred remained substantial at Php 323,135.00.

**CURRENT AND FUTURE FIREFIGHTER REQUIREMENTS
CY 2020-2024 (5 YEARS PROJECTION)**

YEAR	No. of Firetruck	No. of Firefighter	Projected Population	Firefighter Requirement	Firetruck Requirement to Population	Firetruck to Firefighter Requirement
2020	2	15	113,185 (PSA Actual)	57	4	4
2021	2	15	114, 679	58	4	4

2022	2	15	116, 193	59	4	4
2023	3	22	117,727	59	4	4
2024	4	29	119, 281	60	4	4

Standard ratio:

Firefighter to Population is 1:2000

Firetruck to Population Ratio is 1:28,000

Firetruck to Firefighter Ratio is 1:14

FIRE INCIDENCE BY BARANGAY, CY 2022

BARANGAY	CAUSE	AFFECTED PROPERTY	YEAR: DATE: TIME	ESTIMATED AMOUNT OF DAMAGE
NIBALIW	Electrical ignition caused by arcing	Single- and two-family dwelling	05 January 2022	Php 70,500.00
BUENLAG EAST ANYANI ROAD	Electrical ignition caused by arcing	Single- and two-family dwelling	06 January 2022	Php 40,000.00
OSIEM	Children playing match stick	Single- and two-family dwelling	06 February 2022	Php 500,000.00
GUILIG	Open flame from cooking (LPG / gas stove, firewood)	Single- and two-family dwelling	06 May 2022	Php 60,000.00
POBLACION	Electrical ignition caused by arcing	Business	21 May 2022	Php 20,000.00
EMBARCADERO	Electrical Ignition caused by arcing	Single- and two-family dwelling	27 June 2022	Php 112, 000.00
BARI	Smoking (lighted cigarette)	Single- and two-family dwelling	04 August 2022	Php 13,000.00
MALABAGO	Smoking (lighted cigarette)	Motorcycle	29 August 2022	Php 84,257.50
OSIEM	Electrical ignition caused by pinched wire	Educational	03 October 2022	Php 2,000.00
MACAYUG	Open flame from unattended lighted candle	Residential	26 November 2022	Php 10,500.00
MALABAGO	Open flame from unattended lighted candle	Grassfire	02 December 2022	Minimal Damage Fire
POBLACION	Smoking (lighted cigarette, cigar or pipe)	Single- and two-family dwelling	03 December 2022	Minimal Damage Fire
BANTAYAN	Smoking (lighted cigarette, cigar or pipe)	Mercantile	21 December 2022	Php 2,000.00

This given data shows the record of fire incidents in various barangays (villages or neighborhoods) along with the causes, affected properties, dates, and estimated amounts of damage incurred.

IMPROVE CRIME PREVENTION

The current state of crime in the Area of Responsibility (AOR) remains calm and within manageable limits. The ongoing support provided by the community, non-governmental organizations (NGOs), and the Local Government Unit (LGU) to the Philippine National Police (PNP) reflects a shared commitment to achieving a peaceful Municipality of Mangaldan, ensuring it is a secure and inviting environment for residents, visitors, and businesses alike.

➤ **TYPES AND VOLUME OF CRIME IN THE LGU**

COMPARATIVE CRIME STATISTICS 2016-2023								
Crime Offense	2023	2022	2021	2020	2019	2018	2017	2016
Crime Volume	-	202	134	231	943	1,365	865	660
Index Crime	-	15	25	44	77	113	137	301
Murder	5	0	7	3	1	2	3	1
Homicide	2	0	0	0	2	1	5	6
Physical Injuries	4	1	1	11	30	29	47	137
Robbery	3	2	2	4	12	8	9	44
Theft	9	5	5	10	15	39	45	91
Rape	13	7	9	15	11	20	18	7
Non-Index Crime	-	187	109	187	138	151	182	359
Crime Solved	9	174	97	173	786	1,112	600	305
Average Monthly Crime Rate (AMCR)	354.616	15.20	10.08	17.38%	851.62	1,232.72	790.25	631.14
Crime Solution Efficiency (CSE)	92.40	86.14	72.38%	74.89	83.35%	81.46%	69.36%	46.21%
Crime Clearance Efficiency (CCE)	99.75	100%	100%	98.26 %	88.12 %	85.86 %	75.76 %	-

Source: PNP 2023

➤ **NUMBER OF TRAFFIC VIOLATORS APPREHENDED CY 2023**

TYPE OF VEHICLE	NUMBER OF VILATORS
MOTORCYCLE	460
MOTORCYCLE w/ SIDECAR	109
4 WHEELS (SUV, SEDAN, VAN, PICK-UP)	126
ARMORED VAN	1
OWNER TYPE JEEP	2
TRUCK	67

PUB's	6
PUJ's	55

Source: Mangaldan POSO 2023

➤ **LIST OF SPECIFIC TRAFFIC VIOLATIONS CY 2023**

TYPE OF VIOLATION	NUMBER OF VIOLATORS
ILLEGAL PARKING	320
TRUCK BAN	78
TRICYCLE BAN	31
DRIVING w/o LICENSE	157
DRIVING w/ EXPIRED LICENSE	6
DRIVING w/ INVALID LICENSE	2
NO PERMIT	13
NO HELMET	156
ARROGANT DRIVER/CONDUCTOR	26
DISOBEDIENT	1
FAILURE TO OBEY TRAFFIC ENFORCER	57
OVERLOADING	14
COLORUM PUV	16
RECKLESS DRIVING	2
OUT OF LINE OPERATION	1
ROUTE VIOLATION	1
ONE WAY STREET VIOLATION	4
ILLEGAL LOADING/UNLOADING	17
TRAFFIC OBSTRUCTION	85
DISREGARDING TRAFFIC SIGN	40
NO O.R./C.R.	19
NO PLATE	5
UNREGISTERED	7
EXPIRED O.R.	6
COUNTER FLOW	65
UNATTENDED	2
REFUSED TO SIGN	13
NO DUST COVER	1

Source: Mangaldan POSO 2023

➤ **TRAININGS/SEMINARS ATTENDED BY MTRG/POSOPERSONNEL/TRAFFIC ENFORCERS CY 2023**

NAME OF TRAININGS / SEMINARS	NUMBER OF PARTICIPANTS
WATER SEARCH AND RESCUE, BASIC LIFE SUPPORT, RESCUE BOAT OPERATION AND MANUEVERING SEMINAR	4

➤ **EVENTS / MOTORCADE ASSISTANCE FOR CY 2023**

1. MANGALDAN PINDANG FESTIVAL GRAND CIVIC PARADE 2023
2. TAKBONA 2023
3. STCS GRAND ALUMNI HOMECOMING MOTORCADE
4. MANGALDAN SUB-1 FUN RUN
5. STCS COLOR FUN RUN 2023
6. SOMA 2023
7. MANGALDAN NATIONAL HIGH SCHOOL EARTHQUAKE DRILL (QUARTERLY)
8. KASALANG BAYAN 2023

9. TRICK OR TREAT 2023
10. CHILDREN'S CONGRESS
11. BALIKBAYAN TOUR
12. PINDANG FESTIVAL 2023 EVENTS
13. FRATERNAL ORDER OF EAGLES ANNIVERSARY MOTORCADE
14. GULF GASOLINE STATION GRAND OPENING MOTORCADE
15. UNDA5 2023
16. ASSISTANCE DURING THE VISIT OF DILG SEC. BENHUR ABALOS
17. ASSISTANCE DURING THE SEAL OF GOOD LOCAL GOVERNANCE REGIONAL AND NATIONAL VALIDATION.
18. ASSISTANCE DURING THE VISIT OF OFFICIALS AND EMPLOYEES OF THE LOCAL GOVERNMENT UNIT OF BONGABONG ORIENTAL MINDORO FOR THEIR BENCHMARKING ACTIVITIES.
19. MISA DE GALLO 2023
20. ASSISTANCE DURING THE VISIT OF VICE PRESIDENT SARAH DUTERTE AS GUEST OF HONOR AND SPEAKER DURING THE GRADUATION OF SENIOR HIGH SHOOOL STUDENTS OF THE MANGALDAN NATIONAL HIGH SCHOOL.
21. ASSISTANCE DURING THE VISIT OF SENATOR BONG GO.
22. ASSISTANCE DURING THE FEAST OF OUR LADY OF MIRACULOUS MEDAL.
23. ASSISTANCE DURING CHRIST THE KING CELEBRATION 2023.

Source: Mangaldan POSO 2023

CHAPTER IV

LOCAL ECONOMY

4.1 AGRICULTURE CROPS

➤ AGRICULTURE CROPLANDS

MAJOR AGRICULTURAL PRODUCTS

BARANGAY	Major Agricultural Crops
1. Alitaya	Rice, Watermelon, Corn, Mungbean
2. Amansabina	Rice, Corn, Watermelon, Mungbean
3. Anolid	Rice
4. Banaoang	Rice, Corn, Watermelon, Garlic, Mungbean
5. Bantayan	Rice, Corn, Peanut, Pechay,
6. Bari	Rice, Corn

7. Bateng	Rice, Peanut,
8. Buenlag	Rice, Corn, Watermelon, Garlic, Mungbean
9. David	Rice, Corn, Eggplant
10. Embarcadero	Rice, Corn,
11. Gueguesangen	Rice, Corn, Mungbean, Watermelon
12. Guesang	Corn, Rice, Eggplant, Calamansi, Cacao
13. Guiguilonen	Rice, Corn,
14. Guillig	Rice, Squash, Upo,
15. Inlambo	Rice, Corn, Turnips, Mungbean, Calamansi, Camote
16. Lanas	Rice, Watermelon, Corn
18. Maasin	Rice
19. Macayug	Rice, Corn, Turnips, Mungbean, Calamansi, Chili Pepper, Tobacco, Camote
20. Malabago	Rice, Squash, Upo,
21. Navaluan	Rice, Corn
22. Nibaliw	Rice, Corn, Camote
23. Osiem	Corn, Rice, Eggplant, Calamansi, Cacao, Tomato,
24. Palua	Rice, Corn, Turnips
25. Poblacion	
26. Pogo	Rice, Turnips, Corn
27. Salaan	Rice, Pechay
28. Salay	Rice, Pechay, Corn, Peanut, Watermelon
29. Talogtog	Rice, Corn, Peanut
30. Tebag	Rice, Corn, Camote

Source: Municipal Agriculture

A list of different barangays along with the major agricultural crops grown in each barangay. This information could be used for various purposes such as agricultural planning, market analysis, or resource allocation.

Barangay	Wet Season 2023		Dry Season 2023	
	Planted Areas (Has)	Production (MT)	Planted Areas (Has)	Production (MT)
Alitaya	414	2359.80	387	2283.30
Amansabina	75	427.50	75	442.50
Anolid	115	655.50	101	595.90
Banaoang	35	199.50		
Bantayan	50	285.00	5	29.50
Bari	58	330.60		
Bateng	40	228.00	15	88.50
Buenlag	135	769.50	120.5	710.95
David	75	427.50	65	383.50

Embarcadero	25	142.50		
Gueguesangen	65	370.50	50	295.00
Guesang	75	427.50		
Guiguilonen	10	57.00		
Guilig	60	342.00	35	206.50
Inlambo	80	456.00	50	295.00
Lanas	100	570.00	85	501
Landas	45	256.50		
Maasin	100	570.00	80	472.00
Macayug	53	302.10	15	88.50
Malabago	100	570.00	100	590.00
Navaluan	37	210.90		
Nibaliw	36	205.20		
Osiem	47	267.90		
Palua	35	199.50		
Poblacion				
Pogo	36	205.20		
Salaan	25	142.50		
Salay	50	285.00	35	206.50
Talogtog	65	370.50		
Tebag	30	171.00	50	295.00
GRAND TOTAL	1269	7484.15	2071	11805

➤ **CROP PRODUCTION (2023 RICE PRODUCTION)**

Source: Municipal Agriculture

The data shows that the wet season of 2023, there were a total of 1,269 hectares of land planted, resulting in a production of 7,484.15 metric tons. In the dry season of 2023, there were a total of 2,071 hectares of land planted, resulting in a production of 11,805 metric tons.

➤ **CORN PRODUCTION 2023**

Barangay	Area (has) YELLOW	Production / Metric Tons (MT) YELLOW	Area (has) WHITE	Production / Metric Tons (MT) WHITE
Alitaya	5.5	39.6	-	-
Amansabina	11.5	86.25	-	-
Anolid	-	-	-	-
Banaoang	38.41	299.598	-	-
Bantayan	-	-	-	-
Bari	-	-	-	-

Bateng	32.1	250.38	1.5	4.5
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BARANGAY	FRUIT TREES (MANGO)	INDUSTRIAL CROPS (TOBACCO)
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Buenlag	45.75	366		
David	42.6	340.8	8	28.8
Embarcadero	14.4	108	-	-
Gueguesangen	11.25	90	-	-
Guesang	101.7	813.6	-	-
Guiguilonen	8.35	62.625	-	-
Guilig	-	-	-	-
Inlambo	47.38	379.04	3.5	11.2
Lanas	26.1	208.8	-	-
Landas	25	197.5	-	-
Maasin	-	-	-	-
Macayug	56.4	451.2	10.1	35.35
Malabago	-	-	-	-
Navaluan	18.5	140.6	4	12.8
Nibaliw	39.93	311.454	-	-
Osiem	60.28	458.128	17.65	61.775
Palua	19.5	156	8.05	29.785
Poblacion	-	-	-	-
Pogo	12.2	91.5	3.35	10.72
Salaan	3.6	26.64	-	-
Salay	6.7	46.9	5.15	30.9
Talogtog	6.1	43.92	-	-
Tebag	3.5	25.55	5	16
GRAND TOTAL	636.75	4,994.085	66.3	241.83

Source: Municipal Agriculture

	Area (has)	Production / Metric Tons (MT)	Area (has)	Production / Metric Tons (MT)
Alitaya	0.21	1.68	-	-
Amansabina	1.6	12.80	-	-
Anolid	4.32	34.56	-	-
Banaoang	2.34	18.72	-	-
Bantayan	0.93	7.44	-	-
Bari	3.15	25.20	-	-
Bateng	2.06	16.48	-	-
Buenlag	5.16	41.28	-	-
David	2.95	23.60	-	-
Embarcadero	0.7	5.60	-	-
Gueguesangen	11.61	92.88	-	-
Guesang	1.02	8.16	-	-
Guiguilonen	1.33	10.64	-	-
Guilig	1.45	11.60	-	-
Inlambo	8.02	64.16	2	3
Lanas	1.66	13.28	-	-
Landas	2.23	17.84	-	-
Maasin	1.08	8.64	-	-
Macayug	1.76	14.08	8	14
Malabago	5.19	41.52	-	-
Navaluan	4.69	37.52	-	-
Nibaliw	3.35	26.80	-	-
Osiem	7.13	57.04	-	-
Palua	6.09	48.72	-	-
Poblacion	0.24	1.92	-	-
Pogo	4.36	34.88	3	4.5
Salaan	2.89	23.12	-	-
Salay	2.98	23.84	-	-
Talogtog	5.5	44.00	-	-
Tebag	3	24.00	-	-
GRAND TOTAL	99.00	792.00	13.00	21.50

➤ **FRUITS TREES/ INDUSTRIAL CROP PRODUCTION 2023**

Source: Municipal Agriculture

SOCIO- ECONOMIC/ ECOLOGICAL PROFILE 2023

DEVOTED TO:

Barangay	ROOT CROPS (CAMOTE & CAMOTE)				LEGUMES (MUNGGO & PEANUT)				ROOT VEGETABLES			
	CASSAVA		SWEET POTATO		MUNGGO		PEANUT		TURNIPS		GARLIC	
	Area (has)	Production / Metric Tons (MT)	Area (has)	Production / Metric Tons (MT)	Area (has)	Production / Metric Tons (MT)	Area (has)	Production / Metric Tons (MT)	Area (has)	Production / Metric Tons (MT)	Area (has)	Production / Metric Tons (MT)
Alitaya					0.5	0.6						
Amansabina												
Anolid												
Bantayan					1	1.2	2.5	3				
Bari					0.5	0.6						
Bateng					1	1.2	3	3.6				
Banaoang					1	1.2						
Buenlag					1	1.2						
David					0.5	0.6						
Embarcadero			3	36	1	1.2						
Guguesangen												
Guesang					1	1.2						
Guiguilonen					1	1.2						
Guilig					1	1.2						
Inlambo	1	15	6	72	4.5	5.4	2	2.4	3.5	70		
Lanas							1.9	2.28				
Landas					0.2	0.24	2	2.4				
Maasin												
Macayug			5	60	4.5	5.4	5	6	4	60		
Malabago												
Navaluan					2.5	3						
Nibaliw												
Osiem					0.5	0.6						
Palua	5	75	5	60	0.8	0.96	5	6	3.5	40		
Poblacion												
Pogo			6	72	0.5	0.6	0.6	0.72	2.5	120		
Salay					0.5	0.6	1	1.2				
Salaan	3	45			1	1.2	0.5	0.6	1.5	30		
Talogtog												
Tebag					0.5	0.6	1.5	1.8				
GRAND TOTAL	9.00	135.00	25.00	300.00	25.00	30.00	25.00	30.00	15.00	320.00		

SOCIO-ECONOMIC/ ECOLOGICAL PROFILE 2023

DEVOTED TO:

Barangay	FRUITS & VEGETABLES (AMPALAYA, EGGPLANT, SQUASH, TOMATO, WATERMELON)									
	AMPALAYA		EGGPLANT		SQUASH		TOMATO		WATERMELON	
	Area (has)	Production / Metric Tons (MT)	Area (has)	Production / Metric Tons (MT)	Area (has)	Production / Metric Tons (MT)	Area (has)	Production / Metric Tons (MT)	Area (has)	Production / Metric Tons (MT)
Alitaya									1	28
Amansabina									0.5	14
Anolid										
Bantayan	1	20			0.35	4.2				
Bari					0.5	6			2	56
Bateng							0.5	10		
Banaoang									3	84
Buenlag									8	224
David			0.5	12.5						
Embarcadero	1	20	0.5	12.5			1	20		
Guguesangen									2	56
Guesang	10	200	8.5	213	0.5	6				
Guiguilonen							2	40		
Guilig	0.5	10			5	60			1.5	42
Inlambo										
Lanas									17	476
Landas	0.5	10	3	75	0.5	6	3	60		
Maasin									4	112
Macavug	0.5	10	1.5	37.5					3	84
Malabago					7	84	1	20	7	196
Navaluan	2	40	2.5	62.5	3	36	6	120		
Nibaliw										
Osiem	2	40	4	100	1.1	13.2	4	80		
Palua	0.5	10	1	25						
Poblacion										
Pogo	1	20	1.5	37.5						
Salay					2	24			1	28
Salaan	0.5	10	2	50			1	20		
Talotog	0.5	10								
Tebag										
GRAND TOTAL	20.00	400.00	25.00	625.00	20.00	239.00	18.5	370.00	50.00	1,400.00

SOCIO-ECONOMIC/ ECOLOGICAL PROFILE 2023

➤ AGRICULTURAL PRODUCTS AND FISHERIES CY 2023

Barangay	LEAFY VEGETABLES (PECHAY)		PRODUCTION OF FISHERIES BY HECTARE IN METRIC TONS								
	PECHAY		TILAPIA (FRESHWATER)			BANGUS (BRACKISHWATER)			PRAWN POLYCULTURE		
	Area (has)	Production / Metric Tons (MT)	Area (has)	No. of Operators	Production / Metric Tons (MT)	Area (has)	No. of Operators	Production / Metric Tons (MT)	Area (has)	No. of Operators	Production / Metric Tons (MT)
Alitaya											
Amansabina											
Anolid						14.4	13	31	5	5	3.75
Bantayan	2	16									
Bari											
Bateng						70.58	44	163.23	5	5	3.75
Banaoang											
Buenlag											
David											
Embarcadero											
Guquesanden											
Guesang											
Guiguilonen											
Guilig											
Inlambo											
Lanas	14	112				33.29	22	73.61	2	2	1.5
Landas											
Maasin						107.27	56	259.09	8	8	6
Macavug											
Malabago											
Navaluan											
Nibaliw											
Osiem			0.12	1	0.1						
Palua	5	40									
Poblacion											
Pogo											
Salay	27	216									
Salaan	22	176									
Talootog						35.028	30	80.79	3	2	2.25
Tebaog											
GRAND TOTAL	70.00	560.00	0.12	1	0.1	260.568	165	607.71	18	11	17.25

SOCIO-ECONOMIC/ ECOLOGICAL PROFILE 2023

DEVOTED TO:

PRODUCTION OF FISHERIES BY HECTARE IN METRIC TONS						
Barangay	Oyster			Communal Bodies of Water		
	Area (has)	No. of Operators	Production / Metric Tons (MT)	Area (has)	No. of Operators	Production / Metric Tons (MT)
Alitaya						
Amansabina						
Anolid				6.91	Paldakit River	4.09
Bantayan				2	Angalacan River	1.04
Bari						
Bateng	0.09	10	4	5.565	Maqueraday River	3.89
Banaoang						
Buenlag						
David						
Embarcadero				3.5	Angalacan River	2.22
Guquesangen						
Guesang				5.5	Angalacan River	3.46
Guiguilonen						
Guiliq						
Inlambo						
Lanas				2.5	Paldakit River	1.70
Landas				4.5	Angalacan River	2.84
Maasin	0.09	10	4	6.5	Paldakit River	4.38
Macavug				3.735	Angalacan River	2.54
Malabago						
Navaluan				3	Angalacan River	2.06
Nibaliw				3.5	Angalacan River	2.42
Osiem				3.5	Angalacan River	2.22
Palua				2.3	Angalacan River	1.60
Poblacion						
Pogo				2.765	Angalacan River	1.94
Salay						
Salaan				2	Angalacan River	1.41
Talootog	0.09	10	4	6	Maqueraday River	4.12
Tebag				2	Angalacan River	1.44
GRAND TOTAL	0.27	30	12	65.78		43.37

MANGALDAN FISHPOND AREA AND PRODUCTION CY 2022

BARANGAY	SPECIES CULTURED	AREA (HAS)	NO. OF OPERATORS	ANNUAL PRODUCTION (MT)
ANOLID	BANGUS	14.4	16	34.88
BATENG	BANGUS	70.58	29	174.34
LANAS	BANGUS	33.29	20	80.42
MAASIN	BANGUS	107.27	56	266.13
TALOGTOG	BANGUS	35.028	37	85.68
	TOTAL	260.568	158	641.44

4.2 LIVESTOCK AND POULTRY

➤ **NUMBER/ VOLUME OF PRODUCTION BY TYPE OF LIVESTOCK AND POULTRY**

LIVESTOCK PRODUCTION 2023

	No. of Farms			No. of Stocks		
	Backyard	Commercial	Total	Backyard	Commercial	Total
Cattle	723	1	724	1,448	655	2,103
Carabao	73	-	73	146	-	146
Goat	764	-	764	2,177	-	2,177
Swine	127	-	127	510	-	510
Dogs	5,653	-	5,653	9,354	-	9,354
Poultry	2,385	4	2,389	14,325	43,900	58,225
Others	464	-	464	6525	-	6525



Source: Agriculture's Office 2023

The provided table presents data on the number of farms and the total number of stocks for various livestock categories, distinguishing between backyard and commercial operations.

NUMBER OF FARMERS BY BARANGAY 2023

RSBSA REGISTERED FARMER OF MANGALDAN PANGASINANp

BARANGAY	TOTAL NUMBER OF FARMERS	TOTAL AREA
Alitaya	293	360.620
Amansabina	68	81.659
Anolid	142	147.376
Banaoang	58	94.158
Bantayan	96	157.302
Bari	50	43.531
Bateng	49	80.003
Buenlag	133	196.284
David	82	121.109
Embarcadero	18	34.188
Guguesangen	110	142.485
Guesang	91	155.757
Guiguilonen	17	35.128
Guilig	65	81.930

Inlambo	140	140.556
Lanas	123	184.610
Landas	46	61.722
Maasin	87	76.483
Macayug	119	178.051
Malabago	91	105.994
Navaluan	52	93.529
Nibaliw	31	68.284
Osiem	97	176.183
Palua	77	104.441
Poblacion	7	6.872
Pogo	62	101.620
Salay	53	81.991
Salaan	69	67.193
Talogtog	91	93.944
Tebag	14	38.402
TOTAL	2431	3311.402

The data shows that the total number of farmers in Mangaldan is 2,431, the total area is 3,311.402. The highest number of farmers is Alitaya with 293 farmers and 360.620 hectares while Poblacion is the lowest number of farmers with the total of 7 farmers and 6.872 hectares.

**RSBSA REGISTERED FARMWORKER OF MANGALDAN
PANGASINAN**

BARANGAY	TOTAL NUMBER OF FARMWORKER
Alitaya	565
Amansabina	29
Anolid	154
Banaoang	4
Bantayan	86
Bari	18
Bateng	71
Buenlag	38
David	29
Embarcadero	27
Guguesangen	88
Guesang	1
Guiguilonen	25
Guilig	83
Inlambo	135
Lanas	201

Landas	78
Maasin	163
Macayug	19
Malabago	23
Navaluan	112
Nibaliw	10
Osiem	1
Palua	37
Poblacion	10
Pogo	66
Salay	76
Salaan	207
Talogtog	235
TOTAL	2356

This data shows the distribution of farmworkers across different barangays, which can be useful for understanding the agricultural labor force in the area.

4.3 FORESTRY

Forest- based production activities- NO DATA/ NOT APPLICABLE

4.4 AGRICULTURAL SUPPORT FACILITIES 2023

Barangay	Four Wheeled Tractor	Hand Tractor	Rice Combined Harvester	Water Pump	Mechanical Rice Transplanter	Solar Irrigation Pump	Rice Mill
Alitaya	7	42	6	95	1	0	4
Amansabina	3	13	1	27	1	0	1
Anolid	4	5	0	59	0	0	1
Banaoang	4	4	2	40	0	0	1
Bantayan	8	26	1	62	1	0	3
Bari	1	2	0	25	0	0	2
Bateng	2	6	0	20	0	0	0
Buenlag	10	15	4	55	1	0	0
David	6	7	0	76	1	0	1
Embarcadero	0	1	0	11	0	0	0
Gueguesangen	1	2	-	44	-	-	-
Guesang	2	11	-	56	-	-	1
Guiguilonen	-	2	-	11	-	-	-
Guilig	2	3	-	41	-	-	-
Inlambo	-	19	-	114	-	1	-

Lanas	6	24	-	75	-	8	-
Landas	1	23	-	39	-	-	-
Maasin	1	20	-	22	-	6	-
Macayug	3	19	-	107	-	-	-
Malabago	1	17	-	29	-	-	-
Navaluan	1	4	-	41	-	-	-
Nibaliw	1	4	-	24	-	-	-
Osiem	2	8	-	79	-	-	-
Palua	2	7	-	62	-	-	-
Pogo	1	3	-	49	-	-	-
Salaan	0	9	0	45	0	0	0
Salay	4	18	0	34	0	0	0
Talogtog	2	26	-	45	-	-	-
Tebag	1	5	-	8	-	-	-
TOTAL	76	345	15	1395	6	15	14

The data shows the number of agricultural machinery and equipment in different barangays (villages). In 2023, Water Pumps has the highest number with the total of 1,395 while MechanicalRice Transplanter is the lowest number with the total o

Post-Harvest Facilities and Support	Barangay	No.	% Utilization	Remarks
Rice Mill	Anolid	2	100%	Operational
	Bantayan	4	100%	Operational
	Banaoang	1	100%	Operational
	Embarcadero	1	100%	Operational
	Salay	1	100%	Operational
	Tebag	1	100%	Operational
	Alitaya	4	100%	Operational
	Gueguesangen	1	100%	Operational
	Bari	2	100%	Operational
	Buenlag	1	100%	Operational
	Malabago	1	100%	Operational
	Landas	1	100%	Operational
	Guesang	5	100%	Operational
	Osiern	2	100%	Operational
	Banaoang	1	100%	Operational
Corn Mill	Guesang	1	100%	Operational
Corn Sheller	Buenlag	1	100%	Operational
	Malabago	1	100%	Operational
	Landas	1	100%	Operational
	Guesang	5	100%	Operational
	Osiern	2	100%	Operational
	Banaoang	1	100%	Operational
Multi-Purpose Drying Pavement (DA Provided)	David	1	100%	Operational
	Lanas	1	100%	Operational
	Talogtog	1	100%	Operational
	Guesang	1	100%	Operational
	Anolid	1	100%	Operational
	Inlambo	1	100%	Operational
Mechanical Dryer	Malabago	1	100%	Operational
	Alitaya	1		Operational
	Alitaya	1	100%	Operational
	Palua	1	100%	Operational
	Anolid	1	100%	Operational
Thresher	Mangaldan	220	90%	Operational
Blowers	Alitaya	1	100%	Operational
	Buenlag	1	100%	Operational
Hand Tractor	Mangaldan	250	100%	Operational
Combine Harvester	Mangaldan	19	100%	Operational

4.5 POST- HARVEST FACILITIES 2023

The data show an abundance of post-harvest facilities in various barangays, indicating an emphasis on improving agricultural productivity and efficiency in these areas.

4.6 NUMBER OF ESTABLISHMENT BY SECTOR

➤ **NUMBER OF PERMITS PROCESSED AND ISSUED CY 2022-2023**

	CY 2023	CY 2022
Permanent	2,382.00	2,297.00
Ambulant	268.00	267.00
Motorized	1,282.00	1,411.00
Pedaled	923.00	706.00

The table presents the number of permits issued in two consecutive years, CY 2022 and CY 2023, categorized by their types: Permanent, Ambulant, Motorized, and Pedaled.

➤ **COMPARATIVE COLLECTIONS CY 2023-2022**

	2023	2022
BUSINESS TAX	39,028,689.06	36,740,651.42
BUSINESS PLATE	460,011.80	179,379.00
MAYOR’S PERMIT	1,955,660.00	1,901,320.00
ZONING FEE		0.00
WEIGHTS & MEASURE	96,750.00	82,050.00
MEDICAL	598,950.00	579,920.00
SANITARY	387,000.00	435,595.00
OCCUPATIONAL TAX	594,250.00	579,920.00
GARBAGE FEE	2,079,907.80	786,803.00
BUSINESS FORM	76,950.00	76,585.00
VEHICLE REG. FEE	1,287,086.00	706,344.00
STORAGE/COMBUSTIBLE	563,592.00	
TOTAL	47,128,847.36	42,068,567.42

In 2023, total revenue from business-related fees and taxes reached PHP**47,128,847.36**, with the bulk coming from Business Tax php39,028,689.06.

➤ **TAX MAPPING ACTIVITIES 2023**

BARANGAYS	Number of Tax mapped Business Establishments
Public Market	711
Alitaya	21
Amansabina	6

Anolid	95
Banaoang	109
Bantayan	54
Bari	127
Bateng	8
Buenlag	28
David	42
Embarcadero	19
Gueguesangen	15
Guesang	13
Guiguilonen	32
Guilig	9
Inlambo	6
Lanas	5
Landas	31
Maasin	48
Macayug	15
Malabago	63
Navaluan	30
Nibaliw	10
Osiem	45
Palua	16
Poblacion	451
Pogo	9
Salaan	51
Salay	119
Talogtog	38
Tebag	29
TOTAL	2,255.00

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ments across different barangays and the public market in the specified year, indicating the economic activity and business landscape in each area.

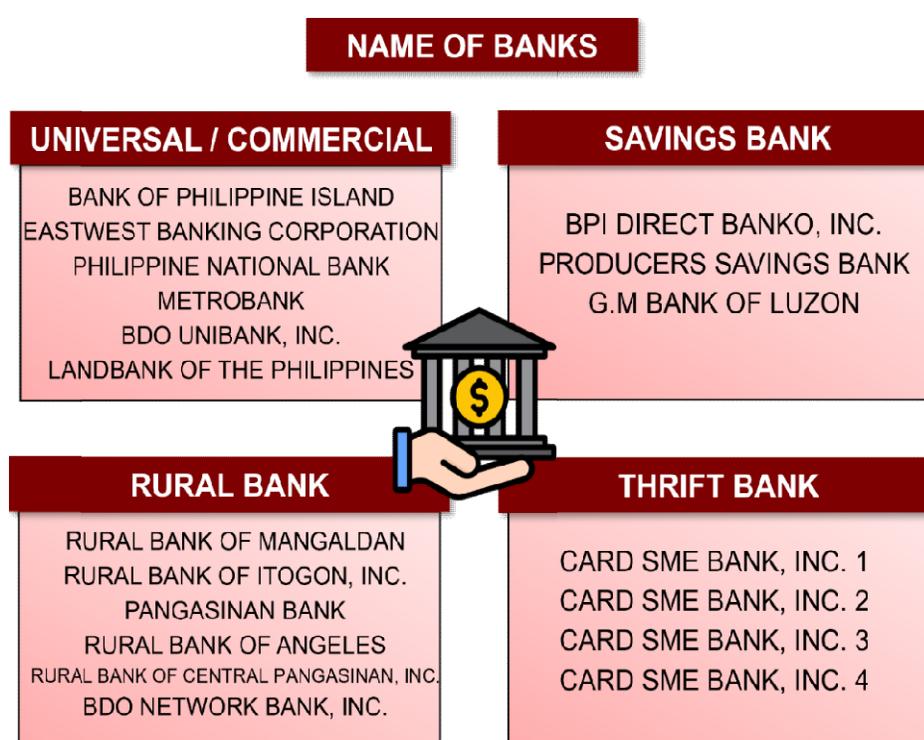
BUSINESS NAME	BUSINESS ADDRESS	NATURE OF BUSINESS
PMFTC, INC.	Anolid	Cigarette Manufacturing
MAGIC SALES, INC. GROCERY	Poblacion	Grocery Store
JOLLIBEE MANGALDAN	Poblacion	Restaurant/Fast food, Retail of Essential Goods and Services
CSI WAREHOUSE CLUB, INC.	Poblacion	Grocery/Wholesaler/Retailer (Appliance & General Merchandise)
ACS MANUFACTURING CORP.	Anolid	Warehousing/Storage
Mercury Drug- Pangasinan Mangaldan Rizal- Adan	Poblacion	Drugstore
RAM FOOD PRODUCTS, INC.	Maasin	Distribution
TOPLANCE MARKETING	Bari	Marketing
Central Pangasinan Electric Cooperation, Inc.	Bari	Distributing Of Electricity
MAGICLUB, INC. DEPARTMENT STORE	Poblacion	Department Store

➤ **TOP TEN BUSINESS ESTABLISHMENT 2023**

This data provides insight into the types of businesses present in various locations, such as manufacturing, retail, distribution, and services.

	Capitalization	Number	Percentage (%)
Micro industry	P150,000.00 and below	2024	79%
Cottage scale	P150,000.01 – P1.5M	448	17.5%
Small scale	P1.5 M.01 – P1.5M	81	3.16%
Medium scale	P15M.01 – P40M	5	0.20%
Large scale	Above P40 Million	6	0.23%
Total		2564	100%

The data provided represents the distribution of businesses across different scales based on their capitalization, as well as the number and percentage of each category.



Private or public organizations that serve as intermediaries between savers and borrowers of funds. There are two types of financial institutions (with increasingly blurred distinctions): (1) depository banks and credit unions, which pay interest on deposits based on loan interest, and (2) non-depository insurance companies and mutual funds (unit trusts), which collect funds by selling policies or shares (units) to the public and provide periodic benefits and profit payouts. Banks and pawnshops are among the financial institutions that operate inside the municipality.

Wholesale and retailing are the final steps in merchandise distribution. Auto and motorbike repair is also included. Wholesale refers to the sale of new and used items to retailers, business-to-business trading, and resale to other

wholesalers. Wholesalers include wholesale merchants, industrial distributors, exporters, importers, cooperative purchasing organizations, and so on.

A hotel may or may not have a restaurant (some do), but it is typical for hotels to provide meals through room service. A restaurant is an establishment that prepares and serves food and beverages to consumers. Hotel is defined by various dictionaries as a place that provides accommodation besides providing meal services. There are 16 registered restaurants. Some mentioned hotels, Inns and restaurants as follows:

Hotels, Inns and Restaurants

LOCATION	NAME OF TOURISM ESTABLISHMENT	AREA (HAS)	TYPE OF ATTRACTION/ FACILITIES	OWNERSHIP
1. Poblacion	MBKK Grand Pavillion Hotel		Hotel & Restaurant	Private
2. Poblacion	Trish Hotel	1.00	Hotel & Restaurant	Private
3. Nibaliw	Trish land Resort	4.00	Hotel & Restaurant Swimming Pools Zipline	Private
4. Guilig	Hidden Spa Inn	0.20	Inn & Spa	Private
5. Bari	Waikiki Inn	0.50	Inn	Private
6. Bantayan	Golden Success Inn	0.30	Inn	Private
7. Tebag	Hidden Rock Resort	1.50	Resort & Restaurant Swimming Pool	Private
8. Banaoang	Wild Flower Inn		Hotel, Inn	Private
9. Guilig	MBU Golden Venture Corp		Hotel, Resort, Inn	Private
10. Guilig	Don Ray Apartelle		Hotel, Resort, Inn	Private
11. Guilig	3A Inn		Hotel, Inn	Private
12. Banaoang	CNJ Inn		Hotel, Inn	Private
13. Guilig	Happy Inn		Inn	Private

- Intellectual or manual work conducted by small and medium-sized enterprises in serving consumers is mostly for the purpose of delivering personal services in the municipality, such as barbershops/beauty salons, dress/tailoring shops, funeral parlors, and photo studios.
- Utilities (water, electricity, and gas) are critical community services that play an important role in economic and social development, including water refilling stations, electricity sources (CENPELCO & DECORP), gasoline stations, and LPG retailers. Quality utilities are required for successful poverty eradication.
- **TRANSPORTATION AND COMMUNICATION**

In Municipality of Mangaldan, tricycles are the most frequent mode of transportation. A tricycle station is placed in the public

market area and is intended to transport people from Poblacion to outlying barangays. The municipality has no jeepney terminals. Residents can commute to nearby municipalities via jeepneys and buses from Dagupan, San Fabian, Manaoag, and Mapandan.

Fare structures range from standard to special rates (CY 2019). For tricycles, the normal fee is Php9.00 for the first kilometer, with an extra Php 1.00 for each subsequent kilometer. Students and senior citizens receive a discount of 1.50 per kilometer. Jeepneys have variable fare rates as determined by the Land Transportation Franchising Regulatory Board.

Communication Facilities

SECTOR BY TYPE OF OCCUPATION, MANGALDAN, PANGASINAN (CBMS SURVEY 2016)

SECTOR	G_OCC										TOTAL
	Zero	Officials Of Government and Special-Interest Organizations, Corporate Executives, Managers, Managing Proprietors and Supervisors	Physical, Mathematics, and Engineering Science Professionals	Technician and Associate Professionals	Clerks	Service Workers and Shops and Market Sales Workers	Farmers, Forestry Workers and Fisherman	Trades and Related Workers	Plant And Machine Operators and Assemblers	Labor and Unskilled Workers	
Zero	32	203	269	313	190	382	1583	350	1173	1259	5754
Agriculture, Fishing	2	135	54	95	70	260	67	689	200	682	2254
Mining and Quarrying	7	69	109	164	59	91	1	369	229	143	1241
Manufacturing	5	58	38	68	60	52	1	301	187	131	901
Electricity, Gas, Steam and Air Conditioning Supply	10	839	156	334	413	1055	19	1845	986	3323	8980
Water Supply; Sewerage, Waste Management and Remediation Activities	1	122	38	45	67	494	1	28	717	547	2060
Construction	5	103	184	201	381	57	0	32	14	22	999
Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles	1	59	85	121	56	20	1	17	19	20	399
Transportation and Storage	18	373	1250	474	411	625	2	48	27	275	3503
Accommodation and Food Service Activities	6	38	68	103	65	402	3	79	93	992	1849
Total	87	1999	2251	1918	1772	3438	1678	3758	3645	7394	27940

Source: CBMS SURVEY 2016

4.7 TOURIST ATTRACTIONS

Mangaldan, located near bustling Dagupan City, San Fabian, and Manaoag, is adjacent to popular tourist spots like as the Minor Basilica of Our Lady of the Most Holy Rosary of Manaoag and beach resorts that attract people from many towns and cities. Mangaldan can help support the Manaoag Tourism Development Plan by selling local products such as meat and meat products, native delicacies, meals, novelty items, and recreational facilities.

The presence of Hotel Trish, Romana Peanut Brittle, the establishment of new restaurants, snack counters, resorts, the landscaping of the town plaza, and the presence of Bona's Trail along the Angalacan River, which is a popular biking destination, all contribute to Mangaldan's tourism development.

The Pasalubong Center, as well as the quantity of "tapa" or cara-beef and processed meats like longganisa, tocino, and other products, are popular among visitors since they are priced like factory goods. The MacarioYdia Development Center (MYDC) provides a large space for leisure, sports, and other related activities.

The traffic plan was designed to assist visitors who want to avoid the crowded traffic in Dagupan City. Parking spaces are also available in front of the Public Market, particularly for buying tourists.

Mangaldan, as a peace-loving town, is appealing to tourists, and the overall peace and order condition is excellent.

Traditionally, a destination was supposed to be a specific geographical place, but in today's world, a destination might be an amalgam of tourism items designed to satisfy visitors in a given area. Every traveler's personality can be matched with a destination. With so many options, tourists must be persuaded to choose Mangaldan above other destinations.

The government's role was identified as critical to the development of the tourism industry. To become an appealing tourist destination, a location must provide a wide range of services, including infrastructure and effective destination marketing, in order to achieve the municipality's vision and role as the province's meat processing capital, providing quality pasalubong products to tourists and visitors.

Hotels and restaurants have a big potential to alleviate poverty. Partnerships between the corporate and governmental sectors should be strengthened to enable more effective coordination and benefits to local communities.

➤ **Cultural Tourism Activities**

The Municipality of Mangaldan is proud to have its Pindang Festival held during annual fiesta, this is a week-long activity.

➤ **Potential Tourism Attraction**

The Mayor Bona Trail along the Angalacan River in Brgy.Embaracdero has tremendous potential as an eco-tourism attraction. It is located along the National Road leading to Manaoag and has been named the Hall of Famer - Cleanest Inland Body of Water in Pangasinan.

➤ INVENTORY OF TOURISM ESTABLISHMENTS (HOTELS & RESORTS, INNS AND APARTMENTS) CY 2023

NAME OF ESTABLISHMENT	LOCATION	TYPE OF BUSINESS	METERS FROM THE MUNICIPAL HALL	METERS FROM THE NATIONAL ROAD	TYPE OF ACCESS ROAD (Asphalt, Concrete, Gravel, Earth)	Coordinates	
						LATITUDE	LONGITUDE
DON RAY APARTELLE	Guilig	APARTELLE	549 m.	217 m.	Concrete	16.071649	120.400710
CASA ESPERANZA APARTELLE	Salay	APARTELLE		57.32 m.	Concrete		
KLAI'S APARTELLE	Amansabina	APARTELLE		6.08 m.	Concrete		
VANGIE'S HOUSE RENTAL	Buenlag	APARTMENT			Concrete		
XNL APARTMENT	Bari	Apartment			Concrete		
ABALOS APARTMENT	Poblacion	Apartment	496 m.	150 m.	Concrete	16.073333	120.403540
JEFFERSON'S APARTMENT	Anolid	Apartment			Concrete		
TTT APARTMENT	Salay	Apartment			Concrete		
BARBARA BOARDING HOUSE	Bari	Apartment			Concrete		
RENTAL APARTMENT	Bari	Apartment			Concrete		
SAGRARIO APARTMENT	Salay	Apartment			Concrete		
HOTEL TRISH	Poblacion	Hotel & Restaurant, Family KTV, Function Hall	263 m.	49 m.	Concrete	16.071783	120.402634
MARCY'S APARTMENT	Anolid	House Rental			Concrete		
WILDFLOWER INN	Banaoang	Inn	2035 m.	329 m.	Concrete	16.053872	120.405417
STERNWALL, INC,	Banaoang	INN			Concrete		
CNJ INN	Banaoang	INN	1357 m.	386 m.	Concrete	16.062611	120.408353
PRISCILLA'S PLACE	Bari	Lessor (Apartment)					
HIDDEN ROCK FARM RESORT	Tebag	Resort	1144 m.	532 m.	Concrete	16.077845	120.402189
TRISHLAND RESORT	Nibaliw	Resort	704 m.	365.94 m.	Concrete	16.074549	12.405094
JSS STATE RENTALS	Anolid	Space and House Rentals			Concrete		
WAIKIKI INN	Bari	INN	1205 m.	49 m.	Concrete	16.060049	120.403210
GRAND PAVILLION HOTEL	Poblacion	Hotel	248 m.	177 m.	Concrete	16.068444	120.402953
HAPPY INN	Guilig	INN	768 m.	665 m.	Concrete	16.070898	120.398901
AMETHYST INN	Banaoang	INN	1593 m.	623 m.	Concrete	16.061776	120.409887
RED DOORZ	Guilig	INN	710 m.	612 m.	Concrete	16.070879	120.399200
KNIGHTS INN	Salaan	INN	1096 m.	1106 m.	Concrete	16.085707	120.405221
3A INN	Guilig	INN	726 m.	625 m.	Concrete	16.070998	120.399146
CASA DE DONA UPENG	Poblacion	HOTEL	151 m.	66 m.	Concrete	16.068641	120.403898

MUNICIPALITY'S STATISTICAL DATA ON TOURISM CY 2022

HOTELS, INNS AND RESTAURANTS (FAST FOOD)

➤ **TOURIST ATTRACTIONS**

Location	NAME OF TOURISM ESTABLISHMENT	AREA (HAS)
Embarcadero	Cesario's Garden Restaurant	50sqm
Poblacion	Ermano's 459 Kitchenette	550sqm
Poblacion	Cela's Kitchenette	120sqm
Poblacion	Kalye Tres Restro Grill	400sqm
Poblacion	Banking Panciteria	20sqm
Poblacion	Mangaldan Pancireria	20sqm
Poblacion	Jollibee	-
Poblacion	Manglnasal	510sqm
Poblacion	Chowking	236.54sqm
Poblacion	MC Donalds	120sqm
Poblacion	Greenwich	213sqm
Poblacion	MBKK Grand Pavillion Hotel	351.06sqm
Poblacion	Hotel Trish	1500sqm
Poblacion	Casa De Doña Upeng	1000sqm
Bantayan	Golden Success Hotel	-
Guiguilonen	Beautiq Massage & Facial Spa	15sqm

The table provides information about tourism establishments in various locations.

MAJOR PRODUCTS

The popular carabeef tapa (Filipino-style dried meat), locally known as “Pindang” is the One Town One Product (OTOP) of this municipality. It is also home of the original makers of the famous delicacy – the Romana Peanut Brittle.



FIESTA AND MARKET DAY

Mangaldan celebrates its annual **PINDANG FESTIVAL** along with its town fiesta during first week of March. Being one of the market centers, Mangaldan’s Market Days is every day.

KALUTAN ED DALAN

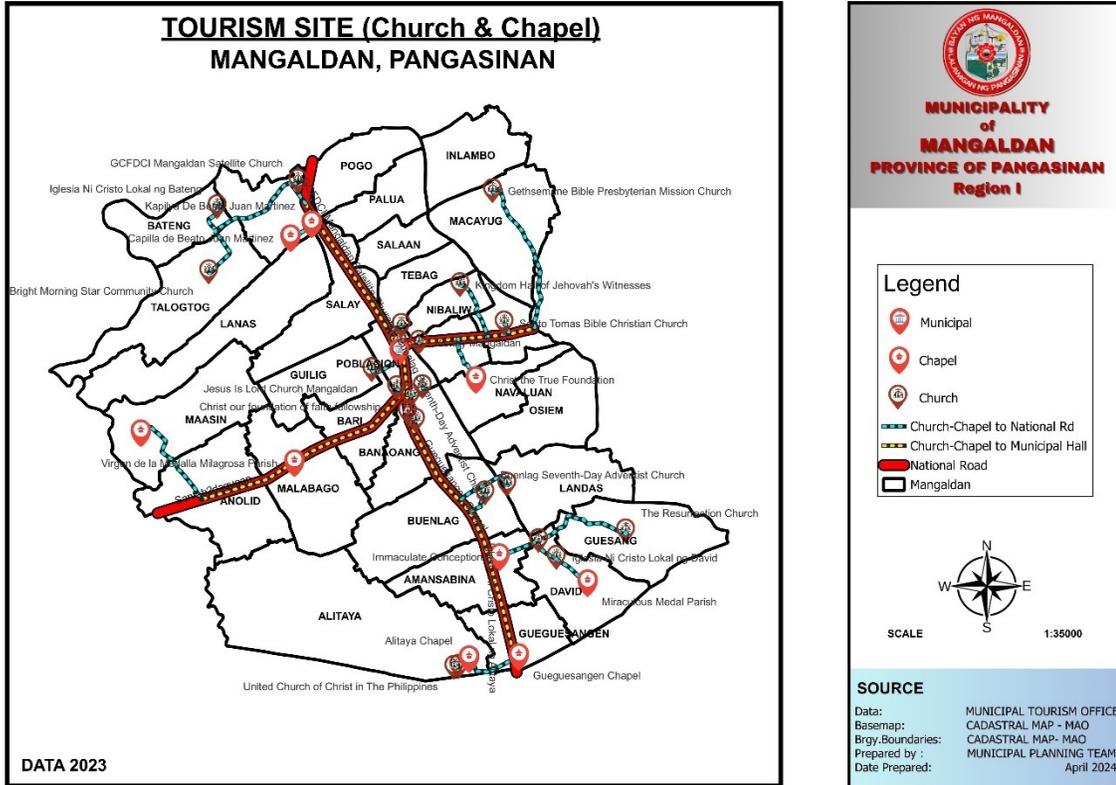
MARKET DAYS



CHURCHES & CHAPELS

NAME OF CHURCHES	LOCATION
ST. THOMAS AQUINAS PARISH	Poblacion
OUR LADY OF THE MIRACULOUS MEDAL CHURCH	David
BETHEL CHRISTIAN LEARNING CENTER OF MANGALDAN CHURCH	Poblacion
PENTECOSTAL MISSIONARY CHURCH OF CHRIST	Poblacion
THE UNITED METHODIST CHURCH	Poblacion
FAITH BIBLE CHRISTIAN CHURCH	Poblacion
IGLESIANI CRISTO	Nibaliw
VICTORY MANGALDAN	Guiguilonen
MANGALDAN CHURCH OF CHRIST	Poblacion
THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS	Poblacion
JESUS OUR LIFE GIVER WORLDWIDE MINISTRY	Banaoang

KINGDOM HALL OF JEHOVAH'S WITNESSES	Banaoang
ANG DATING DAANLOKAL NG MANGALDAN	Poblacion
LIVING TEMPLE MINISTRIES	Malabago
BUENLAG SEVENTH-DAY ADVENTIST CHURCH	Buenlag
JESUS MIRACLE CRUSADE INTERNATIONAL MINISTRY	Embarcadero
THE RESURRECTION CHURCH	Guesang
UNITED CHURCH OF CHRIST IN THE PHILIPPINES	Gueguesangen
JESUS IS LORD CHURCH	Guilig



MANGALDAN MUSEUM

	LOCATION
MANGALDAN MUSEUM	POBLACION

PARKS

Location	Name of Tourism Establishment	Type of Attraction
Nibaliw	ANGACALAN RIVER	River and Landscape (includes subterranean rivers)
Poblacion	MANGALDAN PUBLIC AUDITORIUM / MANGALDAN PUBLIC PLAZA	History and Culture

CHAPTER V

INFRASTRUCTURE/ UTILITIES/ FACILITIES

5.1 INVENTORY OF ROADS (MUNICIPAL, BARANGAY)

EXISTING ROADS BY SURFACE PAVEMENTS, 2023					
ROAD CLASSIFICATION	LENGTH (km)	EARTH (km)	GRAVEL (km)	ASPHALT (km)	CONCRETE (km)
NATIONAL ROADS	22.550	1.905	4.141	15.198	1.306
PROVINCIAL ROADS	12.100	---	---	6.300	5.800
MUNICIPAL ROADS	10.724	---	---	---	10.724
BARANGAY ROADS	145.351	13.325	16.505	3.076	112.445

2023

A. NATIONAL ROADS (CY 2023)

MUNICIPALITY / ROAD NAME	PAVED			UNPAVED			TOTAL LENGTH (km.)
	CONCRETE (km.)	ASPHALT (km.)	TOTAL (km.)	GRAVEL (km.)	EARTH (km.)	TOTAL (km.)	
1. Pangasinan-La Union Road			7.976			-	7.976
Anolid	-	1.488		-	-		
Malabago	-	0.900		-	-		
Bari	-	1.400		-	-		
Poblacion	-	1.750		-	-		
Salay	-	1.390		-	-		
Bantayan	-	0.734		-	-		
Pogo	-	0.314		-	-		
2. Sta. Barbara-Mangaldan Road			4.608			-	4.608
Gueguesangen	-	0.996		-	-		
Amansabina	-	1.350		-	-		
Buenlag	-	1.200		-	-		
Banaoang	-	1.062		-	-		
3. Mangaldan-Manaoag-Binalonan Road			2.614			-	2.614
Embarcadero	-	1.053		-	-		
Guiguilonen	-	1.150		-	-		

Poblacion	-	0.411		-	-		
4. Mangaldan-Dagupan Road			0.656				4.193
Bantayan	0.656	-		0.197	-	3.537	
Talogtog	-	-		2.144	-		
Lanas	-	-		0.677	0.519		
5. Calasiao-Dagupan-Mangaldan Road			0.650			2.509	3.159
Anolid	0.650	-		0.681	0.586		
Alitaya	-	-		0.442	0.800		
TOTAL (km.)	1.306	15.198	16.504	4.141	1.905	6.046	22.550

The data shown the roads are classified into two categories: paved (concrete or asphalt) and unpaved (earth or gravel). These roads' lengths are given in kilometers (km). The municipality of Mangaldan has 22.550 km of total road length, of which 16.504 are paved and 6.046 unpaved.

B. PROVINCIAL ROADS (2023)

MUNICIPALITY / ROAD NAME	PAVED			UNPAVED			TOTAL LENGTH (km.)
	CONCRETE (km.)	ASPHALT (km.)	TOTAL (km.)	GRAVEL (km.)	EARTH (km.)	TOTAL (km.)	
1. Anolid-Maasin Road			2.000			-	2.000
Anolid	-	0.600		-	-		
Maasin	-	1.400		-	-		
2. Guiguilonen-Nibaliw Road			1.100			-	1.100
Guiguilonen	0.400	-		-	-		
Nibaliw	0.700	-		-	-		
3. Dagupan-Mangaldan Diversion Road			1.200			-	1.200
Anolid	0.700	0.500		-	-		
4. Bantayan-Bantog Road			2.600			-	2.600
Bantayan	-	1.412					
Talogtog	-	1.188					
5. Mangaldan-Mapandan via David Road			5.200			-	5.200
David	1.320	0.500		-	-		
Landas	0.640	0.500		-	-		
Osiem	0.920			-	-		
Navaluan	0.875			-	-		
Guiguilonen	0.245	0.200		-	-		
TOTAL (km.)	5.800	6.300	12.100	-	-	-	12.100



The table shows the different roads in the municipality of Mangaldan. It contains data on both paved and unpaved roads, divided into sections according to the kind of surface material—earth, gravel, asphalt, or concrete. These roads' lengths are stated in kilometers

(km). There are 5.800 km of paved roads overall, of which 6.300 km are made of concrete

C. MUNICIPAL ROADS (2023)

MUNICIPALITY / ROAD NAME	PAVED			UNPAVED			TOTAL LENGTH (km.)
	CONCRETE (km.)	ASPHALT (km.)	TOTAL (km.)	GRAVEL (km.)	EARTH (km.)	TOTAL (km.)	
MANGALDAN							
1. E. Abalos Street	0.580	-	0.580	-	-	-	0.580
2. Bayanihan Street	0.100	-	0.100	-	-	-	0.100
3. C. Biagtan Street	0.385	-	0.385	-	-	-	0.385
4. Duyala Street	0.550	-	0.550	-	-	-	0.550
5. I. Estayo Street	0.250	-	0.250	-	-	-	0.250
6. D.V. Frianeza Street	1.230	-	1.230	-	-	-	1.230
7. A. Garcia Street	0.400	-	0.400	-	-	-	0.400
8. A. Golea Street	0.969	-	0.969	-	-	-	0.969
9. J. L. de Guzman Street	0.400	-	0.400	-	-	-	0.400
10. P. de Guzman Street	1.420	-	1.420	-	-	-	1.420
11. Justice Jimenez Street	0.450	-	0.450	-	-	-	0.450
12. V. Magno Street	0.550	-	0.550	-	-	-	0.550
13. P. G. Presto Street	0.700	-	0.700	-	-	-	0.700
14. J. Quinto Street	0.180	-	0.180	-	-	-	0.180
15. L. Serafica Street	0.800	-	0.800	-	-	-	0.800
16. U. de Vera Street	0.350	-	0.350	-	-	-	0.350
17. G. Visperas Street	0.180	-	0.180	-	-	-	0.180
18. M. Ydia Street	1.130	-	1.130	-	-	-	1.130
19. SB Drive	0.100	-	0.100	-	-	-	0.100
TOTAL (km.)	10.724	-	10.724	-	-	-	10.724

The data shown is a list of the names of the road in the Municipality of Mangaldan along with their respective kilometers. The total length of paved is 10.724 consist of concretes.

D. BARANGAY ROADS (2023)

MUNICIPALITY / ROAD NAME	PAVED			UNPAVED			TOTAL LENGTH (km.)
	CONCRETE (km.)	ASPHALT (km.)	TOTAL (km.)	GRAVEL (km.)	EARTH (km.)	TOTAL (km.)	
MANGALDAN							
BRGY. ALITAYA							
1. ANOLID-ALITAYA RD.	1.876	-	1.876	1.124	-	1.124	3.000
2. AQUINO-LOMIBAO RD.	0.100	-	0.100	0.100	-	0.100	0.200
3. MANINGDING RD.	0.680	-	0.680	-	-	-	0.680
4. DON ALFONSO MERCADO RD.	0.700	-	0.700	-	-	-	0.700
5. DON HILARIO MUYALDE RD.	0.520	-	0.520	0.198	-	0.198	0.718
6. DON DAMASO S. MUYALDE RD.	1.400	-	1.400	-	-	-	1.400
7. MINDANAO RD.	-	-	-	0.150	-	0.150	0.15
8. TAMAYO RD.	0.060	-	0.060	-	-	-	0.060
9. GOTONG RD.	-	-	-	0.400	-	0.400	0.400
10. NIA RD.	-	-	-	-	0.588	0.588	0.588

11. NIA RD. EXTENSION	1.120	-	1.120	-	0.230	0.230	1.350
12. SILVERIO UNGOS RD.	0.122	-	0.122	-	-	-	0.122
13. ALITAYA PERLAN RD.	0.650	-	0.650	-	-	-	0.650
14. DON TEODORICO DELOS SANTOS RD.	0.075	-	0.075	-	-	-	0.075
15. FARMERS RD.	0.133	-	0.133	-	-	-	0.133
TOTAL (km.)	7.436	-	7.436	1.972	0.818	2.790	10.226
BRGY. AMANSABINA							
16. AMANSABINA BARANGAY RD.	0.450	-	0.450	-	-	-	0.750
17. AMANSABINA FMR	0.100	-	0.100	-	-	-	0.450
18. DE GUZMAN RD.	6.445	-	6.445	0.900	-	0.900	1.000
19. F. NAVARRO RD.	0.350	-	0.350	6.555	-	6.555	1.000
20. YDIA RD.	0.500	-	0.500	0.300	-	0.300	0.650
21. GUBATAN-ABALOS RD.	0.450	-	0.450	-	-	-	0.500
22. PRADO RD.		-	-	0.300	-	0.300	0.300
23. ALAMINOS RD.	0.150	-	0.150	-	-	-	0.150
TOTAL (km.)	2.545	0.200	2.545	2.055	-	2.055	4800
BRGY. ANOLID							
24. ANOLID-ALITAYA RD.	0.460	-	0.460	0.620	-	0.620	1.080
25. ANOLID-MAASIN RD.	0.747	-	0.747	-	-	-	0.747
26. SAIPAN RD.	0.400	-	0.400	-	-	-	0.400
27. ANOLID-SALISAY RD.	-	-	-	-	-	-	0.350
28. PARADISE RD. (PATHWAY)	-	-	-	0.100	-	0.100	0.100
29. GUANTANG WEST RD.	0.120	-	0.120	-	-	-	0.120
30. GUANTANG EAST RD.	0.150	-	0.150	0.200	-	0.200	0.350
31. VELASQUEZ RD.	-	-	-	0.100	-	0.100	0.100
32. BAUTISTA RD.	0.100	-	0.100	-	-	-	0.100
33. ANOLID PERLAN RD.	1.400	-	1.400	-	-	-	1.400
TOTAL (km.)	3.377	0.350	3.377	1.020	-	1.020	4.747
BRGY. BANAANG							
34. GREGORIO I. MAGNO RD.	0.691	-	0.691	-	-	-	0.691
35. PERFECTO VISPERAS RD.	0.650	-	0.650	-	-	-	0.650
36. MILITON B. ENRIQUEZ RD.	0.300	-	0.300	-	-	-	0.300
37. ORAP-ABALOS RD.	0.950	-	0.950	-	-	-	0.950
38. GUILLERMO VISPERAS, JR. RD.	0.275	-	0.275	-	-	-	0.275
39. FRADELA DAROY REYES RD.	0.690	-	0.690	-	-	-	0.690
40. FRANCISCO SOLIS RD.	0.800	-	0.800	-	-	-	0.800
41. SATURNINO DE ASIS RD.	0.500	-	0.500	-	-	-	0.500
42. TEOFILO C. GOTOC RD.	0.350	-	0.350	-	-	-	0.350
43. AMADO BAUTISTA RD	0.175	-	0.175	-	-	-	0.175
44. SANTIAGO ABRERA RD	-	-	-	0.800	-	0.800	0.800
45. BEATRICE SUBDIVISION RD.	-	-	-	0.100	-	0.100	0.100
TOTAL (km.)	5.381	-	5.381	0.900	-	0.900	6.281

BRGY. BANTAYAN							
46. BANTAYAN-LONGOS RD	0.300	-	0.300	-	-	-	
47. TAMBAK NA ARO RD.	0.379	-	0.379	-	0.100	0.100	0.300
48. TAWI-TAWI RD	1.090	-	1.090	-	0.154	0.154	0.479
49. PARIAN EXTENSION	-	-	-	-	0.450	0.450	1.244
50.SITIO ABALATEN RD.	0.800	-	0.800	-	-	-	0.450
TOTAL (km.)	2.569	-	2.569	-	0.704	-	3.2730
BRGY. BARI							
51. DON LORENZO ALMONTE RD.	0.309	-	0.309	-	-	-	0.309
52. G. VISPERAS RD.	0.850	-	0.850	-	-	-	0.850
53. MIGUEL SURATOS RD.	0.400	-	0.400	-	-	-	0.400
54. DON PONCIANO MOLINA RD.	0.481	-	0.481	-	-	-	0.481
55 COUNTRY VILLAGE RD.	0.177	-	0.177	-	-	-	0.177
56 P. DE GUZMAN RD.	0.320	-	0.320	-	-	-	0.320
57 A. PRESTOZA ST.	0.045	-	0.045	-	-	-	0.045
58 BARI DIVERSION RD.	0.460	-	0.460	-	-	-	0.460
TOTAL (km.)	3.042	-	3.042	-	-	-	3.042
BRGY. BATENG							
59 BATENG EAST RD.	1.540	-	1.540	-	-	-	1.540
60 BATENG WEST RD.	0.850	-	0.850	-	-	-	0.850
61 BUTIL RD.	0.150	-	0.150	-	-	-	0.150
62 MARIANO B. BIASON RD.	1.462	-	1.462	-	-	-	1.462
63. MERCADO RD.	0.182	-	0.182	-	-	-	0.182
64 PERADO RD.	0.338	-	0.338	-	-	-	0.338
65 SAIPAN RD.	0.333	-	0.333	-	-	-	0.333
66. SITIO QUETEG	0.242	-	0.242	-	-	-	0.242
TOTAL (km.)	5.097	-	5.097	-	-	-	5.097
BRGY. BUENLAG							
67 IRENIO MANARAN RD. (ANIANI-BOKOT R	0.450	0.250	0.700	-	-	-	0.700
68 AMANSEC RD.	0.750	-	0.750	-	-	-	0.750
69 FARMERS RD.	2.228	-	2.228	-	-	-	2.228
70. ROMERO RD.	0.742	-	0.742	-	-	-	0.742
71 ROMERO RD. EXTENSION	0.119	-	0.119	-	-	-	0.119
72 PABLO RD.	0.122	-	0.122	-	-	-	0.122
73 CARLITO RAMOS RD.	0.304	-	0.304	0.196	-	0.196	0.500
74. AQUINO RD.	0.100	-	0.100	0.300	-	0.300	0.400
75. TADEO RD.	0.315	-	0.315	0.085	-	0.085	0.400
76. NIA SERVICE RD.	0.200	-	0.200	0.300	-	0.300	0.500
TOTAL (km.)	5.330	0.250	5.580	0.881	-	0.881	6.461
BRGY. DAVID							
77. ARABIA RD.	0.100	-	0.100	0.050	-	0.050	0.150
78. INIRANGAN RD	0.962	0.176	1.138	-	-	-	1.138
79. BOULEVARD RD.	0.691	-	0.691	-	-	-	0.691
80. CRUZ-SARMIENTO RD.	0.200	-	0.200	0.100	-	0.100	0.300
81. SARMIENTO RD.	0.100	-	0.100	0.080	-	0.080	0.180
82. EDEN RD.	-	-	-	0.100	-	0.100	0.100
83. PENULLAR-SOLIS RD.	0.700	-	0.700	-	-	-	0.700
84. PENULLAR-SOLIS EXT. RD.	0.550	-	0.550	-	-	-	0.550
85.. REVILLA RD.	0.100	-	0.100	-	-	-	0.100
86. SERAPION-YDIO	0.100	-	0.100	0.030	-	0.030	0.130

RD.							
87. MARIANO EDEN RD.	-	-	-	0.100	-	0.100	0.100
88. R. COLUMBRES ST.	0.262	-	0.262		-		0.262
89. MACASIEB RD.	-	-	-	0.150	-	0.150	0.150
90. BAUTISTA-SOLIS RD.	0.150	-	0.150		-		0.150
91. SORIANO RD.	0.150	-	0.150		-		0.150
92. SOLIS-DATLAG RD.	0.040	-	0.040		-		0.040
93. DELA CUADRA RD.	0.102	-	0.102		-		0.102
TOTAL (km.)	4.207	0.176	4.383	0.610	-	0.610	4.993
BRGY. EMBARCADERO							
94. EMBARCADERO-MACAYUG RD.	0.550	-	0.550		-		0.550
95. EMBARCADERO-NAVALUAN RD.	0.553	-	0.553		-		0.553
96. EMBARCADERO-NIBALIW RD.	0.450	-	0.450		-		0.450
97. MUYARGAS RD.	0.030	-	0.030	0.070	-	0.070	0.100
98. FEEDER RD.	0.160	-	0.160		-		0.160
99. QUINTO RD.	0.140	-	0.140	0.110	-	0.110	0.250
100. FMR RD.	0.100	-	0.100		0.100	0.100	0.200
101. OLD EMBARCADERO-MACAYUG RD.	0.450	-	0.450		-		0.450
102. ANGALACAN RIVER ECO-TOURISM RD.	0.495	-	0.495		-		0.495
TOTAL (km.)	2.928	-	2.928	0.180	0.100	0.280	3.208
BRGY. GUEGUESANGEN							
102. GUEVARRA EAST RD. EXTENSION	-	-	-	0.174	-	0.174	0.174
103. GUEGUESANGEN-ALITAYA RD.	0.200	-	0.200	-	-	-	0.200
104. GUEVARRA EAST RD.	1.100	-	1.100	-	-	-	1.100
105 GUEVARRA WEST RD.	0.164	-	0.164	0.120	-	0.120	0.164
106. ALAMINOS RD.	0.600	-	0.600	-	-	-	0.600
106. KATORSE RD. (MINDANAO)	0.300	-	0.300	-	-	-	0.300
TOTAL (km.)	2.364	-	2.364	0.294	-	0.294	2.658
BRGY. GUESANG							
107. GUEVARRA RD.	0.550	-	0.550	-	-	-	0.550
108 EVANGELISTA-MEJIA RD.	0.303	-	0.303	-	-	-	0.303
109 GUESANG BARANGAY RD.	2.550	-	2.550	-	-	-	2.550
110 GUESANG EAST RD.	1.130	-	1.130	-	-	-	1.130
111. MANGA ST.	-	-	-	0.010	0.490	0.500	0.500
112. PETRAS ST.	-	-	-	0.415	-	0.415	0.415
113. MOULIC ST.	0.270	-	0.270	-	-	-	0.270
114. ORIANG ST.	-	-	-	-	0.200	0.200	0.200
115 CASTAÑARES RD.	-	-	-	-	0.150	0.150	0.150
116. VILLANUEVA RD.	-	-	-	0.010	0.300	0.310	0.310
TOTAL (km.)	4.803	-	4.803	0.435	1.140	1.575	6.378
BRGY. GUIGUILONEN							
117. CALLANTA STREET	0.150	-	0.150	-	-	-	0.150
118. CASTILLO STREET	0.460	-	0.460	-	-	-	0.460
119. BINUBURAN ROAD	0.400	-	0.400	-	-	-	0.400
120. KAPALDUA RD.	0.750	-	0.750	-	-	-	0.750
121. PROGRESSO RD.	0.300	-	0.300	-	-	-	0.300

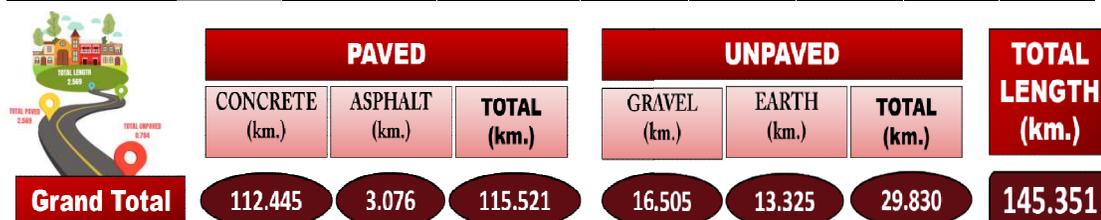
122. FEEDER RD. 1	0.278	-	0.278	-	0.072	0.072	0.350
123. FEEDER RD. 2	0.100	-	0.100	-	-	-	0.100
124. FEEDER RD. 3	0.100	-	0.100	-	-	-	0.100
125. FEEDER RD. 4	0.040	-	0.040	-	0.110	0.110	0.0150
126. FEEDER RD. 5	0.030	-	0.030	-	-	-	0.030
127. FEEDER RD. 6	0.030	-	0.030	-	-	-	0.030
128. FEEDER RD. 7	0.030	-	0.030	-	-	-	0.030
TOTAL (km.)	2.668	-	2.668	-	0.182	0.182	2.850
BRGY. GUILIG							
129. YDIA ST.	0.610	-	0.610	-	-	-	0.610
130. GUILIG- MALABAGO ROAD	0.550	-	0.550	-	-	-	0.550
131. FARMERS ROAD (SITIO SASAUREN)	1.200	-	1.200	-	-	-	1.200
132. TONDALIGAN ROAD (Sitio Durungan)	0.140	-	0.140	-	-	-	0.140
133. GUILIG ACCESS ROAD	0.390	-	0.390	-	-	-	0.390
134. SITIO GASING ROAD	0.300	-	0.300	-	-	-	0.300
135. GUILIG FMR RD.	0.080	-	0.080	0.410	-	0.410	0.490
136. GUILIG-SALAY- LANAS RD.	-	-	-	0.298	-	0.298	0.298
TOTAL (km.)	3.270	-	3.270	0.708	-	0.708	3.978
BRGY. INLAMBO							
137. NICASIO GARCIA RD.	0.247	-	0.247	-	-	-	0.247
138. INLAMBO BARANGAY RD.	1.150	-	1.150	-	-	-	1.150
139. DON EUGENIO LANDICHO RD.	0.843	-	0.843	-	-	-	0.843
140. GERARDO CAOILE RD.	0.100	-	0.100	-	-	-	0.100
141. JUAN SORIANO RD.	0.139	-	0.139	-	-	-	0.139
142. ALFONSO LALATA RD.	-	-	-	0.517	-	0.517	0.517
143. DON EUGENIO LANDICHO EXT. RD.	-	-	-	0.123	-	0.123	0.123
144. DON EMILIO GARCIA RD.	0.200	-	0.200	-	-	-	0.200
145. SITIO MABATO RD.	0.382	-	0.382	-	-	-	0.382
146. ALFONSO LALATA EXT. RD.	-	-	-	0.210	-	0.210	0.210
147. DON SEGUNDO AQUINO RD.	0.180	-	0.180	0.150	0.220	0.370	0.550
148. DON ANDRES VILLION	0.200	-	0.200	-	-	-	0.200
149. DON FRANCISCO LOZANO RD.	0.010	-	0.010	0.050	-	0.050	0.60
150. ANGALACAN RD.	0.043	-	0.043	0.200	-	0.200	0.243
TOTAL (km.)	3.494	-	3.494	1.250	0.220	1.470	4.964
BRGY. LANAS							
151. CEREZO RD. EXT.				0.100		0.100	0.100
152. CEREZO RD.	0.420		0.420		0.030	0.030	0.450
153. CASIMERO ABROGAR RD.	1.800	0.200	2.000				2.000
154. PEREZ RD. (TOKOK RD.)	0.150		0.150		0.800	0.800	0.950
155. MANAOIS RD. (MURADO)	0.900		0.900	0.100		0.100	1.000
156. SITIO TOKOK RD					1.520	1.520	1.520
157. CABALLERO RD.				0.070		0.070	0.070
158. BILLOTE EXTENSION RD.	0.200		0.200				0.200

TOTAL (km.)	3.470	0.200	3.670	0.270	2.350	2.620	6.290
BRGY. LANDAS							
159. DON JUAN CARBONEL RD.	0.800		0.800				0.800
160. LANDAS CENTER RD.	0.650		0.650				0.650
161. LANDAS-GUESANG RD.	0.200	0.100	0.300				0.300
162. RIVERSIDE RD.	0.330		0.330		0.200	0.200	0.530
163. FEEDER RD. 1	0.310		0.310				0.310
164. FEEDER RD. 2	0.060		0.060				0.060
TOTAL (km.)	2.350	0.100	2.450		0.200	0.200	2.650
BRGY. MAASIN							
165. CARMONA ST.	0.250		0.250				0.250
166. CAYETANO ST.	0.140		0.140				0.140
167. CAYETANO ST. EXTENSION	0.050		0.050				0.050
168. GRACIANO ST.				0.250		0.250	0.250
169. ANOLID-MAASIN RD.		0.800	0.800				0.800
170. MAASIN BARANGAY ROAD	1.350	1.000	2.350				2.350
171. 26TH STREET (EMILIO)	0.120		0.120				0.120
172. FARMERS ROAD	0.200		0.200				0.200
173. MUÑOS ROAD	0.250		0.250				0.250
174. ZENAIDA BUNYI ROAD	0.400		0.400				0.400
175 V. LAMBINO ST.	0.130		0.130				0.130
176. LAOAG ST. Brgy. MACAYUG	0.075		0.075				0.075
TOTAL (km.)	2.965	1.800	4.765	0.250	-	0.250	5.015
BRGY. MACAYUG							
177. TIBIGAR RD.	0.100		0.100	0.500	0.500	1.000	1.100
178. MACAYUG BARANGAY ROAD	2.209		2.209				2.209
179. FEDERICO QUINTO RD.	0.183		0.183	0.100		0.100	0.283
180. FERNANDEZ STREET	0.150		0.150		0.350	0.350	0.500
181. MAGALONG STREET	0.706		0.706				0.706
182. CAPAOAY RD.					0.050	0.050	0.050
183. BAUTISTA STREET	0.100		0.100				0.100
184. TIBURAN RD.	0.150		0.150				0.150
185 CHAPEL RD.	0.100		0.100	0.477		0.477	0.577
186 SITIO PATALAN RD.	0.654		0.654				0.654
187 ANGALACAN RD.	0.165		0.165				0.165
TOTAL (km.)	4.517		4.517	1.077	0.900	1.977	6.494
BRGY. MALABAGO							
188 G. VISPERAS ST.	0.490		0.490				0.490
189. G. VISPERAS EXT. RD.	0.795		0.795				0.795
190. FARMER'S RD.				0.456		0.456	0.456
191. ANIANI RD.				0.100		0.100	0.100
192. MALIGAYA RD.	0.769		0.769				0.769
193. MALABAGO CHAPEL RD.	0.200		0.200	1.300		1.300	1.500
194. DANIEL CLATA RD.				0.075	0.055	0.130	0.130
195. MALABAGO CHAPEL EXTENSION RD.					1.500	1500	1.500
TOTAL (km.)	2.254		2.254	1.931	1.555	3.486	5.740

BRGY. NAVALUAN							
196. NAVALUAN-EMBARCADERO RD.	0.550	-	0.550	-	-	-	0.550
197. NAVALUAN EAST RD.	0.400	-	0.400	-	-	-	0.400
198. NAVALUAN-OSIEM RD.	0.720	-	0.720	-	-	-	0.720
199. LUIS DE VERA RD.	0.600	-	0.600	-	-	-	0.600
200. NAVALUAN CENTRAL ST.	0.350	-	0.350	-	-	-	0.350
201. G. RIVO RD.	0.380	-	0.380	-	-	-	0.380
202. AMADO LOPEZ RD.	0.250	-	0.250	-	-	-	0.250
203. TOMAS TADEO RD.	0.800	-	0.800	-	-	-	0.800
204. VISPERAS RD.	0.100	-	0.100	0.070	-	0.070	0.170
205. RIVERSIDE RD.	0.240	-	0.240	-	-	-	0.240
206. SITIO CAPALDUA RD. (CABUAN)	0.286	-	0.286	-	-	-	0.286
TOTAL (km.)	4.676	-	4.676	0.070	-	0.070	4.746
BRGY. NIBALIW							
207. NIBALIW ROAD	0.650	-	0.650	-	-	-	0.650
208. NIBALIW EXT. RD.	0.430	-	0.430	-	-	-	0.430
209. BIAGTAN RD.	0.260	-	0.260	-	-	-	0.260
210. TEBAG-NIBALIW	0.900	-	0.900	-	-	-	0.900
211. CALLEJON 1	0.200	-	0.200	-	-	-	0.200
212. CALLEJON 2	0.250	-	0.250	0.300	-	0.300	0.550
213. CALLANTA RD.	0.250	-	0.250	-	-	-	0.250
214. MOLINA RD.	0.150	-	0.150	-	-	-	0.150
215. BINURBURAN RD.	-	-	-	0.200	-	0.200	0.200
216. ANGALACAN RIVER ECO-TOURISM RD.	0.550	-	0.550	-	-	-	0.550
TOTAL (km.)	3.640	-	3.640	0.500	-	0.500	4.140
BRGY. OSIEM							
217. OSIEM MAIN ROAD	1.600	-	1.600	-	-	-	1.600
218. ALABASO RD.	1.245	-	1.245	-	-	-	1.245
219. ALABASO-AQUINO RD.	0.500	-	0.500	-	-	-	0.500
220. PRESTOZA-MACARAEG RD.	0.256	-	0.256	-	-	-	0.256
221. MOLINA RD.	1.134	-	1.134	-	-	-	1.134
222. EDEN-RAMOS RD.	0.150	-	0.150	-	-	-	0.150
223. ANDRES CENDAÑA RD.	0.075	-	0.075	0.075	-	0.075	0.150
224. DON DOMINGO BAUTISTA RD.	0.670	-	0.670	-	-	-	0.670
225. DE GUZMAN RD.	0.100	-	0.100	-	-	-	0.100
226. PRESTOUSA RD.	0.207	-	0.207	-	-	-	0.207
227. TIBULE RD.	0.616	-	0.616	-	-	-	0.616
228. ANDRES A. DE VERA RD.	0.355	-	0.355	-	-	-	0.355
229. OSIEM FMR	0.366	-	0.366	-	-	-	0.366
230. SURAT RD.	0.065	-	0.065	0.094	-	0.094	0.159
TOTAL (km.)	7.339	-	7.339	0.169	-	0.169	7.508
BRGY. PALUA							
231. PALUA BARANGAY ROAD	1.500	-	1.500	-	-	-	1.500
232. VELASQUEZ RD.	1.200	-	1.200	-	-	-	1.200
233. ABRIL EXTENSION RD.	0.400	-	0.400	-	-	-	0.400
234. DEL MUNDO RD.	0.100	-	0.100	0.010	-	0.010	0.110
235. CATALAN COMPOUND RD.	0.080	-	0.080	-	-	-	0.080
236. BROQUIL EXT. RD.	0.600	-	0.600	-	0.400	0.400	1.000

237. DEL MUNDO-BROQUIL RD.	0.200	-	0.200	-	-	-	0.200
238. CEREZO RD.	0.066	-	0.066	-	-	-	0.066
239. VILLANUEVA RD.	-	-	-	-	1.200	1.200	1.200
240. PNR	0.220	-	0.220	-	-	-	0.220
241. ANGALACAN RIVER ECO-TOURISM RD.	0.980	-	0.980	-	-	-	0.980
TOTAL (km.)	5.346	-	5.346	0.010	1.600	1.610	6.956
BRGY. POGO							
242. POGO NORTE	1.190	-	1.190	0.100	-	0.100	1.290
243. PARAGAS ROAD	0.020	-	0.020	0.060	0.070	0.130	0.150
244. POGO CENTRAL RD.	3.000	-	3.000	-	-	-	3.000
245. POGO FMR	0.228	-	0.228	0.030	-	0.030	0.258
246. CALLEJON	-	-	-	-	0.500	0.500	0.500
247. TAMBAK ARO	0.150	-	0.150	-	-	-	0.150
248. DON SIMEON ARABOS RD.	-	-	-	0.070	0.380	0.450	0.450
249. ANGALACAN RIVER ECO-TOURISM RD.	0.620	-	0.620	-	-	-	0.620
TOTAL (km.)	5.208	-	5.208	0.260	0.950	1.210	6.418
BRGY. SALAAN							
250. CASIMERO ABROGAR RD	1.100	-	1.100	-	-	-	1.100
251. DIONISIO ABRIL ST.	0.300	-	0.300	0.090	0.060	0.150	0.450
252. JOSE ABROGAR ST. (TEOFILO MANAOIS RD.)	-	-	-	0.040	0.160	0.200	0.200
253. EMBUIDO ROAD	0.550	-	0.550	-	-	-	0.550
254. SALAAN-TEBAG ROAD	1.000	-	1.000	-	-	-	1.000
255. ISABELA VILLAGE ROAD	-	-	-	-	0.250	0.250	0.250
256. GUTIERREZ ROAD	0.650	-	0.650	-	0.050	0.050	0.700
257. ABRIL-LALATA RD.	1.000	-	1.000	-	-	-	1.000
258. FRANCISCO O. SURATOS RD.	-	-	-	0.120	-	0.120	0.120
259. ANGALACAN RIVER ECO-TOURISM RD.	0.570	-	0.570	-	-	-	0.570
TOTAL (km.)	5.170	-	5.170	0.250	0.520	0.770	5.940
BRGY. SALAY							
260. DON FELOMINO BILLOTE ST.	0.840	-	0.840	-	-	-	0.840
261. DON FELOMINO BILLOTE EXTENSION	0.250	-	0.250	-	-	-	0.250
262. AMAGBAGAN ROAD	0.412	-	0.412	-	-	-	0.412
263. SALAY EAST ROAD	0.152	-	0.152	-	-	-	0.152
264. SALAY WEST ROAD	0.180	-	0.180	-	-	-	0.180
265. CASIMERO ABROGAR ROAD	0.450	-	0.450	-	-	-	0.450
266. GOLEA EXTENSION ROAD	0.100	-	0.100	-	-	-	0.100
267. SALAY NORTH EAST EXT. RD.	-	-	-	-	0.300	0.300	0.300
268. PNR WEST	0.120	-	0.120	0.080	0.200	0.280	0.400
269. SITIO DURUNGAN RD.	0.178	-	0.178	-	-	-	0.178
270. CALLEJON 1	-	-	-	-	0.450	0.450	0.450
271. SALAY EAST EXT.	-	-	-	-	0.300	0.300	0.300

RD.							
272. AMAGBAGAN EXT. RD.	-	-	-	0.350	-	0.350	0.350
273. FMR	0.100	-	0.100	-	-	-	0.100
TOTAL (km.)	2.782	-	2.782	0.430	1.250	1.680	4.462
BRGY. TALOGTOG							
274. BALETE ROAD	-	-	-	-	0.090	0.090	0.090
275. DON SILVERIO ROAD	0.059	-	0.059	0.059	-	0.059	0.118
276. TALOGTOG-BATENG EAST RD.	0.065	-	0.065	-	-	-	0.065
277. TALOGTOG-BATENG WEST ROAD	0.170	-	0.170	-	-	-	0.170
278. PARIAN ROAD	-	-	-	0.124	-	0.124	0.124
279. MALICTO ROAD	0.700	-	0.700	-	0.586	0.586	1.286
TOTAL (km.)	0.994	-	0.994	0.183	0.676	0.859	1.853
BRGY. TEBAG							
280. TEBAG BARANGAY ROAD	1.150	-	1.150	-	-	-	1.150
281. TEBAG EXTENSION ROAD	-	-	-	0.800	-	0.800	0.800
282. BARROZO ROAD	0.200	-	0.200	-	-	-	0.200
283. ABRIGO RD.	0.208	-	0.208	-	-	-	0.208
284. BENIGNO SORIANO RD.	0.100	-	0.100	-	0.160	0.160	0.260
285. DON TEODULFO BAUTISTA RD.	0.350	-	0.350	-	-	-	0.350
286. DON TEODULFO BAUTISTA RD. EXT.	0.150	-	0.150	-	-	-	0.150
287. TEBAG - NIBALIW RD.	0.250	-	0.250	-	-	-	0.250
288. BENIGNO OCAY RD.	0.225	-	0.225	-	-	-	0.225
289. ANGALACAN RIVER ECO-TOURISM RD.	0.590	-	0.590	-	-	-	0.590
TOTAL (km.)	3.223	-	3.223	0.800	0.160	0.960	4.183



This data shows that the municipality has a total road network length of 145.351 kilometers, with a significant portion (115.521 kilometers) being paved, primarily consisting of concrete roads. However, there's still a notable length (29.830 kilometers) of unpaved roads, comprising gravel and earth surfaces, which may require further development or maintenance.

E. PHILIPPINE NATIONAL RAILROAD 2023

LOCATION/ BARANGAY	PAVED			UNPAVED			TOTAL LENGTH (km.)
	CONCRETE (km.)	ASPHALT (km.)	TOTAL (km.)	GRAVEL (km.)	EARTH (km.)	TOTAL (km.)	
1. Pogo	0.591	-	0.591		-	-	
2. Palua	0.266	-	0.266	0.337	-	0.337	0.603
3. Salaan	0.203	-	0.203	0.347	-	0.347	0.550
4. Salay	2.017	-	2.017	0.560	-	0.560	2.577
5. Maasin	0.924	-	0.924	1.372	-	1.372	2.296
TOTAL (km.)	4.001	-	4.001	2.616	-	2.616	6.026

This data provides a comprehensive overview of the types and lengths of roads in each barangay, distinguishing between paved (concrete and asphalt) and unpaved (gravel and earth) surfaces.

F. MUNICIPAL & BARANGAY BRIDGES AS OF TYPE 2023

• **LIST OF MUNICIPAL BRIDGES BY TYPE (MANGALDAN)**

NAME OF BRIDGE	PERMANENT			TEMPORARY			TOTAL LENGTH (l.m)	REMARKS (l.m)
	CONCRETE (l.m)	STEEL (l.m)	TOTAL (l.m)	BAILEY (l.m)	TIMBER (l.m)	TOTAL (l.m)		
1. Anolid-Salisay	15.00	-	15.00	-	-	-	15.00	Washed out/For reconstruction
2. Paldakit	23.80	-	23.80	-	-	-	23.80	
3.Embarcadero	164.00	-	164.00	-	-	-	164.00	For widening
4.Embarcadero-Macayug	73.70	-	73.70	-	-	-	73.70	
5. Guiguilonen	8.00	-	8.00	-	-	-	8.00	For widening
6. Maasin-Mamalingling	-	39.00	39.00	-	-	-	39.00	
7. Mangueragday	40.00	0.00	40.00	-	-	-	40.00	For retrofitting/ rehabilitation
8. Pogo	20.50	-	20.50	-	-	-	20.50	For widening
TOTAL (km.)	345.00	39.00	384.00	-	-	-	384.00	

The data shows the total, there are 8 bridges in the municipality of Mangaldan, adding up to a total length of 384.00 meters. 345.00 meters of these bridges are made of concrete, and 39.00 meters are made of steel. There are no temporary Bailey or timber bridges in this municipality. Several of these bridges are set for widening, retrofitting, or rehabilitation.

NAME OF BRIDGE	PERMANENT			TEMPORARY			TOTAL LENGTH (l.m)	REMARKS (l.m)
	CONCRETE (l.m)	STEEL (l.m)	TOTAL (l.m)	BAILEY (l.m)	TIMBER (l.m)	TOTAL (l.m)		
1. Bantayan	17.80	-	17.80	-	-	-	17.80	For upgrading
2. Bateng East	13.50	-	13.50	-	-	-	13.50	For upgrading
3. Bateng West	13.70	-	13.70	-	-	-	13.70	

4. Guesang	10.30	-	10.30	-	-	-	10.30	For upgrading
5. Inlambo	8.00	-	8.00	-	-	-	8.00	For upgrading
6. Lanas	5.70	-	5.70	-	-	-	5.70	For upgrading
7. Maasin	6.30	-	6.30	-	-	-	6.30	For upgrading
8. Macayug	13.00	-	13.00	-	-	-	13.00	For upgrading
9. Nibaliw	9.50	-	9.50	-	-	-	9.50	For upgrading
10. Salay	6.00	-	6.00	-	-	-	6.00	For upgrading
11. Tebag	17.50	-	17.50	-	-	-	17.50	For upgrading
TOTAL (km.)	121.30	-	121.30	-	-	-	121.30	

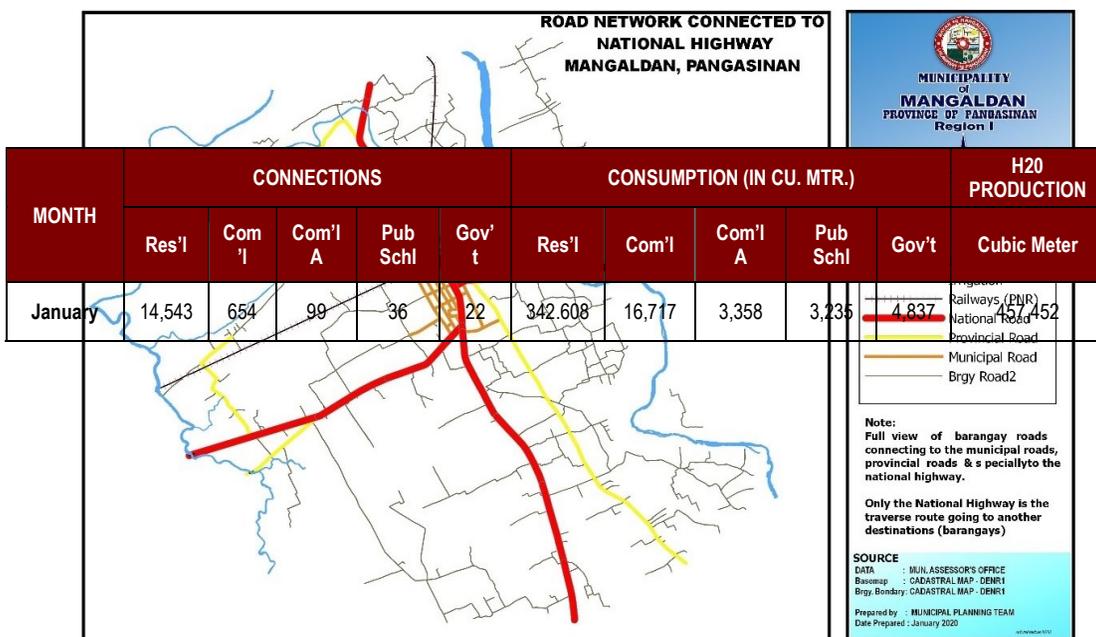
• **LIST OF BARANGAY BRIDGES BY TYPE (MANGALDAN)**

The data shows the total, there are 11 bridges in the municipality of Mangaldan, adding up to a total length of 121.30 meters. All of these bridges are made of concrete. There are no temporary Bailey or timber bridges in this municipality. Most of these bridges are set for upgrading.

5.2 LISTS OF TRANSPORTATION COMPANIES (I.E. VICTORY LINER, DAGUPAN BUS, ETC.)

(MAP OF TRANSPORT TERMINALS / FACILITIES)
NOT APPLICABLE – NO TERMINALS - PASS THROUGH

MANGALDAN ROAD NETWORK / ROUTE MAP



5.3 WATER SYSTEM

Water Service Connections/Consumption/Price per cubic Meter by Type of Consumer and Number of Households/Clients Served by Water Service Provider for the Year 2023

February	14,606	654	100	36	22	279,819	14,099	3,358	4,774	4,078	385,730
March	14,676	646	100	36	22	289,983	13,483	2,847	5,445	4,300	394,291
April	14,713	645	99	36	23	317,759	14,953	3,300	6,647	4,407	436,690
May	14,743	643	98	36	23	322,199	14,222	2,990	4,942	3,888	431,060
June	14,812	650	98	36	23	334,270	14,659	2,910	4,740	4,246	446,067
July	14,861	659	98	36	23	354,427	14,781	3,037	5,805	4,121	467,120
August	14,898	662	98	36	23	301,844	14,115	2,825	4,407	4,416	410,604
September	14,939	661	100	35	23	343,885	14,990	3,216	5,009	4,316	454,469
October	14,984	666	100	36	23	306,616	13,673	2,922	5,434	4,628	420,058
November	15,022	674	102	36	23	342,569	15,674	3,084	5,556	4,783	452,836
December	15,051	679	102	36	23	291,239	13,626	2,425	5,420	3,777	402,318
TOTAL											
		NO. OF		TYPE OF CONSUMER						AVE.	

This data shows, the consumption varies across months and sectors. Residential consumption shows fluctuations, commercial and government consumption also vary. The water production in cubic meters for each month and provided the total production for the entire period. The total water production over the months is 5,158,695 cubic meters. Total water consumption in July has 467,120 cubic meters, it is higher than in February (385,730 cubic meters), indicating an overall increase in water demand.

NO. OF CONNECTION BY TYPE OF CONSUMER

BARANGAY	CONNECTIO N	RESID'L	COMM' L	COMM'LA	PUB.SCH'L	GOVT.	WATER CON. PER MONTH IN CU. M.
Alitaya	433	432	1				7,942
Amansabina	427	420	4	2	1		10,853
Anolid	1,127	1,082	40	4	1		23,976
Banaoang	944	902	33	9			21,337
Bantayan	483	457	15	7	3	1	10,111
Bari	1,006	935	63	7	1		22,253
Bateng	227	226		1			3,748
Buenlag	661	645	9	6	1		14,489
David	663	626	2	2	3		14,037
Embarcadero	357	349	3	4	1		9,609
Gueguesange n	407	404	1	1	1		7,739
Guesang	382	380	1		1		8,248
Guiguilonen	615	581	27	5		2	13,984
Guilig	563	539	15	2	5	2	14,745
Lanas	78	77			1		1,598
Landas	362	354	5	3			8,251
Maasin	574	571	2		1		10,017
Macayug	256	251	1	3	1		6,134
Malabago	795	776	14	4	1		15,874
Navaluan	510	505	3	1	1		11,458
Nibaliw	357	355	1	1			7,662
Osiem	526	520	2	3	1		11,850
Palua	188	187		1			3,295
Poblacion	1,682	1,231	399	28	6	18	39,797
Pogo	155	151	2	1	1		2,901
Salaan	365	363	1		1		7,190
Salay	774	740	31	2	1		17,537
Talogtog	289	287	1		1		4,702
Tebag	372	368	1	2	1		7,323
TOTAL	15,897	15,052	678	102	36	23	346,048

AND AVERAGE WATER CONSUMPTION BY BARANGAY, CY 2023

This table shows that the data is related to water connections in various barangays, and provides information on the number of connections, customer categories, and average monthly water usage in cubic meters.

M	Pump #9 Guiguilonen	Pump #10 Bari	Pump #11 Salay (Motorpool)	Pump #12 Macayug	Pump #13 Anolid	Pump #14 Osiem	Pump #15 Tebag	Pump #16 Guesang
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Bari	Salay	Macayug	Anolid	Osiem	Tebag	Guesang	Talogtog
Malabago	Salaan	Embarcadero	Maasin	Navaluan	Nibaliw	David	Bateng
Guilig	Tebag	Guiguilonen	Malabago	Banaoang	Poblacion	Landas	Bantayan
Banaoang	Lanas	Inlambo	Osiem		Salaan	Amansabina	Salay
Poblacion	Maasin				Palua		Pogo
	Bantayan						
	Palua						
Numbers of Connections Served							

Pump#1 Poblacion	Pump #2 Banaoang	Pump #3 Salay	Pump #4 Guilig	Pump #5 Pogo	Pump #7 Anolid	Pump #8 Amansabina
Poblacion	Banaoang	Salay	Guilig	Pogo	Amansabina	Guiguilonen
Guilig	Poblacion	Poblacion	Poblacion	Palua	Gueguesangen	Nibaliw
Guiguilonen	Buenlag	Lanas	Malabago	Bantayan	David	Navaluan
Banaoang	Bari	Tebag	Bari		Alitaya	Tebag
		Guilig	Salay		Buenlag	Embarcadero
						Poblacion
Numbers of Connections Served						

5.4 ELECTRIC POWER SUPPLY

INVENTORY OF POWER UTILITIES								
UTILITY	FRANCHISE HOLDER	SOURCE OF POWER SUPPLY	LOCATION	FACILITIES [NUMBER]				SERVICE AREA (SERVED/ UNSERVED BARANGAY)
CENPELCO	CENPELCO	NGCP, San Manuel	Guilig	15 MVA	Guilig	15923	119	30 Brgys.
CENPELCO	CENPELCO	NGCP, San Manuel	Bari	5 MVA	Bari			

Source: CENPELCO Mangaldan

ELECTRICAL POWER CONSUMER BY TYPE AND BY BARANGAY YEAR 2022

ROUTE #	BARANGAY	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	STREET LIGHTS	PUBLIC BUILDING	Spl. Lights	TOTAL
1501	RIZAL / STA.	92	96			7	2	197
1502	MABINI / LEGARDA	193	11			1		205
1503	ADAN / BIAGTAN	48	169			2		219
1504	ESPERANZA / ARELLA	170	37					207
1505	CORTEZ / P. DE	345	83			2		430
1506	BARI	307	32					339
1507	MALABAGO	425	8			3		436
1508	ANOLID	371	46			1		418
1509	BANAOANG	314	25			2	1	342
1510	BUENLAG	267	1					268
1511	GUEGUESANGEN	326	1					327
1512	DAVID	611	5			2		618
1513	LANDAS	344	12			1		357
1514	NAVALUAN	708	5		1	2		716
1515	GUIGUILONEN	319	17					336
1516	EMBARCADERO	239	6			1		246
1517	LANAS	416	2			2		420

1518	BANTAYAN	295	5			2	2	304
1519	TALOGTOG	440	12			3		456
1520	BATENG	487	1			3		491
1521	SALAAAN	562	1			3		566
1522	MAASIN	315	7			1		323
1523	SAN JOSE ST.	540	24					564
1524	EDUCATION / SERAFIC	189	29			14		232
1525	GUESANG	478	1					479
1526	BARI	215	39					254
1527	ANOLID	249	4			4		257
1528	AMANSABINA	466	17			2		485
1529	DAVID	165	1			1		167
1530	OSIEM	287	4		1			292
1531	NIBALIW	468	6		1	3		478
1532	SALAY	235	15	1		1		252
1533	POGO	321	2			3		326
1534	MAASIN	415	3			2		420
1535	ALITAYA	340	1		4	6		351
1536	INLAMBO	321					3	324
1537	MALABAGO	302	19					321
1538	TEBAG	476	3			2		481
1539	GUESANG	276	2			4		282
1540	RIZAL ST.	66	138				1	205
1541	BATENG / TALOGTOG	329	1			2		332
1542	BANTAYAN	291	1					292
1543	SALAY	570	5			2		577
1544	BANAOANG	624	29					653
1545	GUIGUILONEN	322	45			3		370
1546	ANOLID / MATABANG/	670	23			1		694
1547	MACAYUG	421				3		424
1548	GUEGUESANGEN	264	9			3		276
1549	EMBARCADERO	260	2		1	3		266
1550	PALUA	418	2			1		421
1551	GOVERNMENT		5	1	5	21		32
1599	POWER	4	83	19		28	4	138
3502	MABINI ST.	359	15			3		377
3503	ADAN / BIAGTAN # 2	66	209			1		276
3504	ESPERANZA	170	56			1		227
3505	CORTEZ / P. DE	376	26			7	1	410
3506	BARI #2	244	10			2		256
3510	BUENLAG #2	358	6					364
3513	LANDAS #2	336	5			4		345
3526	BARI #2	165	26			1		192
3527	ANOLID #2	292	7					299
3529	DAVID #2	172						172

Source: CENPELCO 2022

NUMBER OF CONNECTIONS BY TYPE OF USERS AND CONSUMPTION (KWH/MONTH)

YEAR 2023

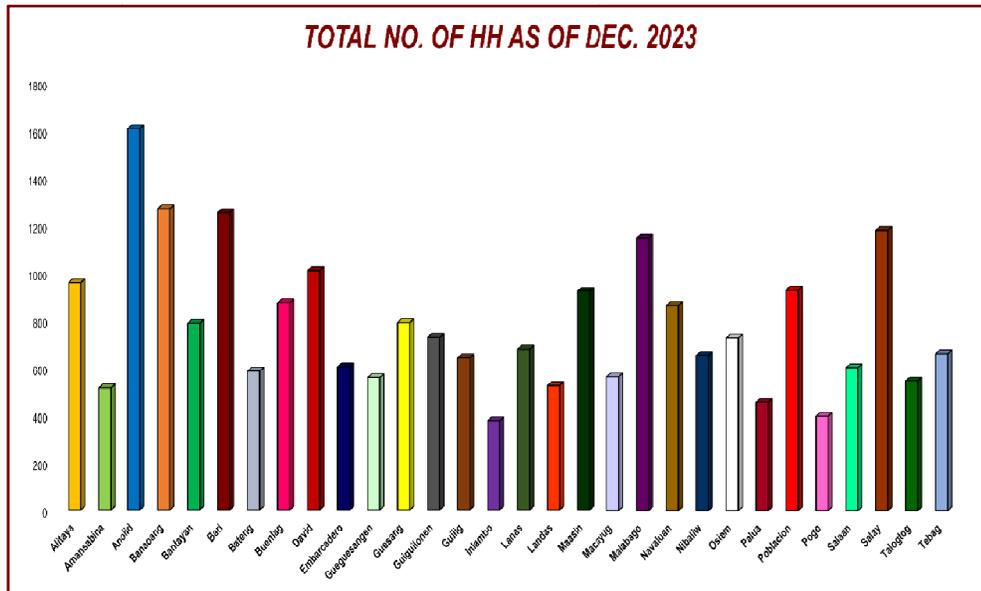
TYPES OF CONNECTION	 Residential	 Commercial	 Public/ Institutional	 Industrial	 Street Lights	 Special Lighting	TOTAL
NUMBER OF CONNECTIONS	22,107	1,585	176	18	15	12	23,913
CONSUMPTION (KWH/ MONTH)	3,071,197	984,885	349,926	58,880	12,512	16,285	4,493,685

The data presents information on the types of connections, the number of connections, and the monthly consumption in kilowatt-hours (KWh) for each type within a certain area. There are 22,107 residential connections in the specified area, with a total monthly consumption of 3,071,197 kilowatt-hours (KWh) while Street light has a total of 15 connection with a total monthly consumption of 12,512 kilowatt-hours (KWh).

MEMBERS BY BARANGAY - JANUARY 2023 TO DECEMBER 2023

MUNICIPALITY OF MANGALDAN	TOTAL NO. OF HH AS OF DEC. 2023	SERVED NO.	%
Alitaya	960	933	97.19
Amansabina	515	575	111.65
Anolid	1610	1797	111.61
Banaoang	1273	1525	119.80
Bantayan	788	760	96.45
Bari	1256	1371	109.16
Bateng	588	602	102.38
Buenlag	876	842	96.12
David	1012	1091	107.81
Embarcadero	606	369	60.89
Gueguesangen	559	645	115.38
Guesang	791	847	107.08
Guiguilonen	730	853	116.85
Guilig	645	471	73.02
Inlambo	378	426	112.70
Lanas	679	508	74.82
Landas	524	650	124.05
Maasin	923	1030	111.59
Macayug	564	479	84.93
Malabago	1147	1251	109.07
Navaluán	863	821	95.13
Nibaliw	653	521	79.79
Osiem	727	762	104.81
Palua	457	471	103.06
Poblacion	928	3120	336.21

Pogo	398	447	112.31
Salaan	601	675	112.31
Salay	1180	1315	111.44
Talogtog	546	692	126.74
Tebag	660	659	99.85
TOTAL	23437	26508	113.00



The Municipality of Mangaldan has a total of 23,437 households as of December 2023. However, the served number of households is 26,508, which is higher than the total number of households. This suggests that there may be some discrepancy or error in the data. The percentage of 113% also indicates that the served number of households exceeds the total number, which is not possible.

➤ **POWER RATES BY MONTH, CY 2023**

MONTH / YEAR	LOW VOLTAGE				
	RESIDENTIAL	COMMERCIAL	INDUSTRIAL	PUBLIC BUILDINGS	STREET LIGHTS
	RATE/KWH (VAT Included Gen. Trans. S.L.) (P)				
Jan- 2023	21.4255	20.7147	20.7147	20.7147	20.7147
Feb- 2023	20.3659	19.6486	19.6486	19.6486	19.6486
Mar- 2023	17.0906	16.3714	16.3714	16.3714	16.3714
Apr- 2023	15.2527	14.5347	14.5347	14.5347	14.5347
May- 2023	13.6045	12.824	12.824	12.824	12.824
Jun- 2023	13.0091	12.2256	12.2256	12.2256	12.2256
Jul- 2023	12.5759	11.7221	11.7221	11.7221	11.7221
Aug- 2023	13.3936	12.6135	12.6135	12.6135	12.6135
Sept- 2023	12.6801	11.8997	11.8997	11.8997	11.8997

Oct- 2023	12.6885	11.9119	11.9119	11.9119	11.9119
Nov- 2023	12.2135	11.4555	11.4555	11.4555	11.4555
Dec- 2023	12.1692	11.43	11.4063	11.4063	11.4063

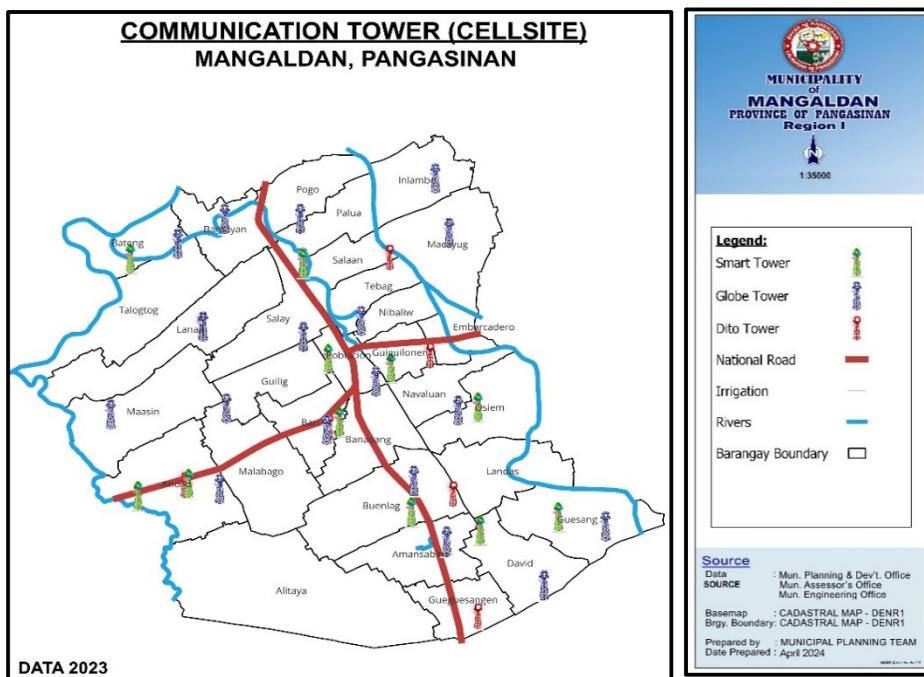
Source: CENPELCO 2023

The table shows the electricity rates for different types of consumers (residential, commercial, industrial, public buildings, and street lights) in Mangaldan municipality for the months from January 2023 to December 2023

Month/ Year	HIGH VOLTAGE							
	COMMERCIAL		INDUSTRIAL		PUBLIC BUILDINGS		STREET LIGHTS	
	RATE/K WH (VAT Include d Gen. Trans. S.L.)	RATE/ KWH (VAT Include d Gen. Trans. S.L.)	RATE/K WH (VAT Include d Gen. Trans. S.L.)	RATE/K WH (VAT Include d Gen. Trans. S.L.)	RATE/K WH (VAT Include d Gen. Trans. S.L.)	RATE/KW H (VAT Include d Gen. Trans. S.L.)	RATE/KWH (VAT Include d Gen. Trans. S.L.)	RATE/KW H (VAT Include d Gen. Trans. S.L.)
	(P)	(P)	(P)	(P)	(P)	(P)	(P)	(P)
	Jan- 2023	19.1646	558.33	19.1646	558.33	19.1646	558.33	19.1646
Feb- 2023	18.1427	516.71	18.1427	516.71	18.1427	516.71	18.1427	516.71
Mar- 2023	14.8777	554.29	14.8777	554.29	14.8777	554.29	14.8777	554.29
Apr- 2023	13.0335	558.44	13.0335	558.44	13.0335	558.44	13.0335	558.44
May- 2023	11.7427	430.32	11.7427	430.32	11.7427	430.32	11.7427	430.32
Jun- 2023	11.1644	422.26	11.1644	422.26	11.1644	422.26	11.1644	422.26
Jul- 2023	11.1335	208.80	11.1335	208.80	11.1335	208.80	11.1335	208.80
Aug- 2023	11.5292	373.03	11.5292	373.03	11.5292	373.03	11.5292	373.03
Sept- 2023	10.8177	376.65	10.8177	376.65	10.8177	376.65	10.8177	376.65
Oct- 2023	10.8038	376.29	10.8038	376.29	10.8038	376.29	10.8038	376.29
Nov- 2023	10.2224	427.59	10.2224	427.59	10.2224	427.59	10.2224	427.59
Dec- 2023	10.2068	420.93	10.2068	420.93	10.2068	420.93	10.2068	420.93

5.5 COMMUNICATION FACILITIES

Communication towers were located at Barangay Bateng, Guilig, Anolid, Malabago, Salay, Guiguilonen, Osiem, David, Guesang, Nibaliw, Bari and Poblacion.



SMART			
ID	LOCATION	LONGITUDE	LATITUDE
1	AMANSABINA	120.4216447	16.04450765
2	ANOLID	120.3823178	16.05126041
3	ANOLID	120.3755059	16.04948682
4	BARI	120.4026761	16.0601628
5	BATENG	120.3744712	16.08377024
6	BUENLAG	120.4123638	16.04715159
7	GUESANG	120.4321738	16.04642974
8	GUIGUILONEN	120.4096012	16.06798888
9	GUILIG	120.4011466	16.06932282
10	OSIEM	120.4213418	16.06232015
11	SALAY	120.3977877	16.0830545
GLOBE			
ID	LOCATION	LONGITUDE	LATITUDE
1	AMANSABINA	120.4171153	16.04295569
2	ANOLID	120.3865122	16.05052945
3	BANTAYAN	120.387199	16.08958446
4	BARI	120.4009453	16.05908133
5	BUENLAG	120.4126697	16.05172611
6	DAVID	120.4302472	16.03659939
7	GUESANG	120.438539	16.04511356
8	INLAMBO	120.4155915	16.09544975
9	LANAS	120.3842717	16.07400011
10	MAASIN	120.3718115	16.06130241
11	MACAYUG	120.4174467	16.08756285
12	MALABAGO	120.3874118	16.06218476
13	NAVALUAN	120.4186673	16.06186922
14	NIBALIW	120.4055937	16.07483748
15	PALUA	120.3973617	16.08959954
16	POBLACION	120.4075875	16.06606512
17	SALAY	120.3977871	16.07253528
18	SALAY	120.3977385	16.08323358
19	TALOGTOG	120.3808504	16.08596693
DITO			
ID	LOCATION	LONGITUDE	LATITUDE
1	ANOLID	120.3817628	16.05108448
2	BARI	120.4012738	16.05943599
3	BUENLAG	120.4179775	16.04977104
4	GUEGUESANGEN	120.421309	16.03209842
5	GUIGUILONEN	120.4148611	16.06979584
6	LANAS	120.3841133	16.07396272
7	TEBAG	120.409414	16.0840017

5.6 MUNICIPAL TECHNOLOGICAL INNOVATION

Bridging the Gap: Assessing Existing and Needed Systems in Municipal Offices for Digitalization through MIS – ICT Office



In the dynamic landscape of municipal governance, the efficient management of information and technology resources is paramount. A comprehensive inventory analysis of surveyed offices not only sheds light on existing infrastructure but also highlights areas for enhancement and growth. We delve into the current state of systems within municipal offices, as well as identify critical needs for future development.

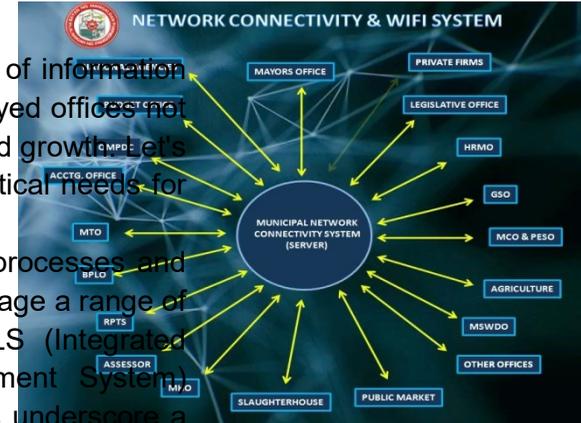
Existing systems form the backbone of municipal operations, enabling seamless administrative processes and citizen services. From legislative tracking systems to payroll management, offices leverage a range of software solutions tailored to their specific requirements. Systems such as iBPLS (Integrated Business Permit and Licensing System) and TOMS (Treasury Office Management System) streamline regulatory processes, while initiatives like Wireless on Health and PhilCris underscore a commitment to leveraging technology for social welfare and public health.

However, amidst the existing landscape, there are notable gaps that must be addressed to bolster municipal capabilities and better serve constituents. Critical needs include the implementation of a library management system to facilitate access to educational resources, as well as sectoral/statistical data capture systems to inform evidence-based decision-making. Additionally, the absence of systems for HRIS (Human Resources Information System), travel order management, and document digitization signifies opportunities for efficiency gains and process optimization. As municipalities strive to adapt to evolving demands and technological advancements,

prioritizing the implementation of these needed systems will be crucial for fostering innovation and improving service delivery.

In a bid to enhance efficiency and modernize operations, municipalities are embracing the concept of a dedicated MIS-ICT office / room. These purpose-built spaces serve as central hubs for IT services and data storage, offering a streamlined approach to managing essential services. By providing a designated environment for IT personnel and equipment, municipalities

ensure the seamless operation of critical services, from hardware infrastructure to software solutions for data management and



SOCIO- ECONOMIC/ ECOLOGICAL PROFILE 2023

analysis. Additionally, the consolidation of data storage processes within these rooms enhances security measures and facilitates easier access to information, ultimately empowering municipalities to make informed decisions and better serve their communities.

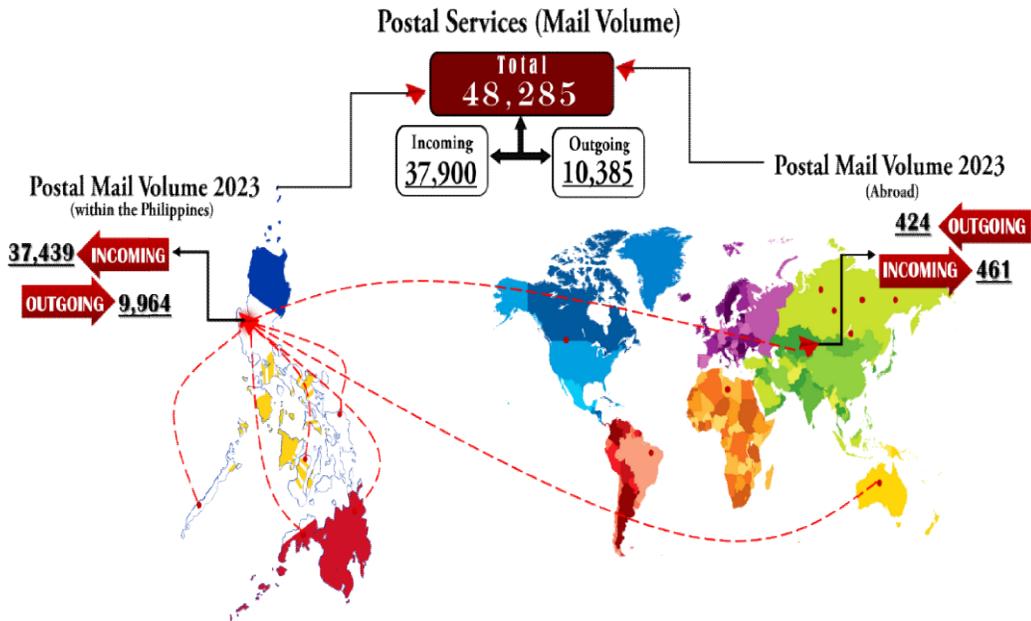
OFFICE	# OF DESKTOPS	# OF LAPTOPS	# OF INKEJET / DESKJET PRINTERS	DOT MATRIX PRINTERS	SCANNERS	SWITCH HUBS	ROUTERS	ISP (PLDT, USATV, etc)	EXISTNG SYSTEM (IBPLS, ECPAC Payroll, CRIS, ETC.)	NEEDED SYSTEMS	CONNECTED TO LAN SERVER	CONNECTED TO PABX
26	145	28	98	8	11	9	27	2	Legislative Tracking System, Systems – Data Server Management, Budget - TOMS Bldg Permit, iBPLS TOMS, iBPLS TOMS, , Inhouse Motorized/Pedal System PhilCris, Cris Wireless on Health, ECPAC, BIR, Payroll System, Outsource System (DSWD), Pangasinan Assessment on Real Property Tax System (PARTS), Library System, Tech4Ed, etc.	Sectoral/Statistical Data Capture System, HRIS, Travel Order Mgmt System, Leave Credit Management System, Documents Digitalization (Soon to be installed), PWD ID System, Solo Parents ID System, Children’s Database, Senior Citizens ID Systems, 4Ps ID System, Traffic Management Tracking System (Soon to be installed), Emergency Tracking System (Soon to be installed) / Data capture System, etc.	<i>Most</i>	<i>Most</i>

With the present network connectivity, the Local Government Unit of Mangaldan attained a notable 2nd Place (Network Connectivity) and 3rd Place (i-Net Library) in the National Search for Digital Governance Municipal Category, highlighting their prioritization of systems and network connectivity in advancing both the LGU and community. With a steadfast focus on ~~empowering the digital landscape~~, this achievement underscores their dedication to leveraging technology for inclusive development.

MANGALDAN, PANGASINAN



5.7 POSTAL MAIL SERVICES 2023



COMPARATIVE VOLUME OF INCOMING AND OUTGOING MAILS 2022-2023				
YEAR	POSTAL MAIL VOLUME (Within the Philippines)		POSTAL MAIL VOLUME (Abroad)	
	INCOMING	OUTGOING	INCOMING	OUTGOING
2023	37,439	9,964	424	461
2022	34,478	12,734	457	421
TOTAL	71,917 pcs	22,698 pcs	881 pcs	882 pcs

This data shows the comparative volume of incoming and outgoing mails 2022-2023. In 2022, there were 34,478 pieces of incoming mail and 12,734 pieces of outgoing mails while in 2023, there was an increase to 37,439 pieces of incoming mail and there was a decrease to 9,964 pieces of outgoing mail. The total incoming mail within the Philippines for both years is 71,917 pieces and 22,698 pieces total of outgoing mail. The increase in incoming mail suggests a potential growth in communication, mail orders, or other activities. The decrease in outgoing mail might indicate a shift in communication preferences. On the other hand, there are changes in both incoming and outgoing mail volumes between the two periods. The total incoming mail abroad increased from 424 to 457 pieces, resulting in a total of 881 pieces. The total outgoing mail abroad decreased from 461 to 421 pieces, resulting in a total of 882 pieces.

COMPARATIVE VOLUME OF INCOMING AND OUTGOING MAILS 2022-2023				
MONTH	POSTAL mail volume CY 2023		POSTAL mail volume CY 2022	
	INCOMING	OUTGOING	INCOMING	OUTGOING
January	3552 pcs	552 pcs	2251 pcs	1116 pcs
February	4872 pcs	721 pcs	1629 pcs	652 pcs
March	3131 pcs	1052 pcs	3323 pcs	2208 pcs
April	1670 pcs	622 pcs	1923 pcs	1031 pcs
May	5003 pcs	1023 pcs	1761 pcs	897 pcs
June	3968 pcs	1027 pcs	2916 pcs	1426 pcs
July	3318	631	1593	1704
August	4634	376	2075	1413
September	5166	768	2677	1459
October	929	1709	3937	1616
November	1196	1024	5750	406
December	5898	459	4641	707
TOTAL	37,439 pcs	9,964 pcs	34,478 pcs	12, 734 pcs

Source: Philippine Postal 2023

DOMESTIC MAIL RATES, 2023

CATEGORY	WEIGHT/ITEM	RATE	
		2023	
1. First Class Irrespective of mode of Conveyance	01-20 gms.	INTRA 16.00	INTER 18.00
2. Postcard		12.00	12.00
3. Second Class Individually addressed Items mailed in bulk	Postage Stamps According to Memorandum of Agreement	5.00 Old Rate/ No Data Given	6.00
4. Third		6.00	7.00
5. Books	NO GIVEN RATE		
6. Speed Mail (DOMESTIC EXPRESS MAIL SERVICE)	01-20 gms.	110.00	130.00
7. Registry Mail	01-20 gms.	50.00	60.00
8. Registry Return Receipt		17.00	17.00
9. Priority Delivery Fee (PRIORITY MAIL) (For Metro Manila & Other Cities)	01-20 gms.	23.00	28.00

This table data shows the postal rates for various categories of mail, including first class, postcards, second class, third class, books, speed mail, registry mail, registry return receipt, and priority delivery fee for domestic express mail service.

MAIL CATEGORY	WEIGHT	ZONE 1	ZONE II	ZONE III	ZONE IV
1. Letters	Up to 20 gms.	49.00	54.00	60.00	62.00
2. Postcard	ALL COUNTRIES	17.00	17.00	17.00	17.00
3. Print Matters		NO GIVEN RATES			
4. Small Packets					
5. Aerogramme		17.00	17.00	17.00	17.00

INTERNATIONAL MAIL RATES, 2023

Source: Mangaldan Postal Office

5.8 WASTE DISPOSAL SYSTEM

Several barangays have their own Material Recovery Facilities and the Municipal Transfer Facility is located at Brgy. Banaoang which caters nearby barangays such Brgy. Poblacion, Brgy. Guiguilonen, etc.

	BARANGAY	No. of Population	No. of HH	MRF Location	Type of Garbage Collection Vehicle	No. of Garbage Collection Vehicle
1	ALITAYA	4643	1270	IN FRONT OF BRGY.HALL	NONE	NONE
2	AMANSABINA	2990	721	Infront of Barangay Hall	0	0
3	ANOLID	8282	2138	Near Barangay Hall	1 Mini Dump Truck (6.5 - 7.5 tons)	1 Mini Dump Truck (6.5 - 7.5 tons)
4	BANAOANG	6425	1592	Banaoang, Mangaldan, Pangasinan	1 Garbage Truck	1 Garbage Truck
5	BANTAYAN	6425	1592	NONE	N/A	N/A
6	BARI	6151	1493	Barangay Hall	(1) GARUNG	(1) GARUNG
7	BATENG	3190	741	None	None	None
8	BUENLAG	0	0	0	0	0
9	DAVID	5510	1246	BESIDE DAVID COVERT COURT	NONE	NONE

10	EMBARCADERO	3744	733	BARANGAY HALL AREA	NONE	NONE
11	GUEGUESANGEN	2617	642	Back of Old Barangay Hall	0	0
12	GUESANG	3895	952	BARANGAY HALL	NONE	NONE
13	GUIGUILONEN	3525	771	BRGY. HALL	NONE	NONE
14	GUILIG	3805	788	Near Municipal Cemetery	1 Mini Dump Truck (1.2 Tonner)	1 Mini Dump Truck (1.2 Tonner)
15	INLAMBO	2075	493	BARANGAY HALL	1 GARUNG	1 GARUNG
16	LANAS	0	0	0	0	0
17	LANDAS	2817	640	NONE	NONE	NONE
18	MAASIN	0	0	0	0	0
19	MACAYUG	0	0	0	0	0
20	MALABAGO	5315	1385	Zone III	1 Truck (Tadano)	1 Truck (Tadano)
21	NAVALUAN	4276	918	0	NONE	NONE
22	NIBALIW	3651	8900	ZONE 6	None	None
23	OSIEM	3779	1014	Front of Barangay Hall	Garong	Garong
24	PALUA	0	0	0	0	0
25	POBLACION	4375	1028	BRGY. BANAANG, MANGALDAN, PANG.	CANTER MINI DUMP TRUCK - 6 cu. m.	CANTER MINI DUMP TRUCK - 6 cu. m.
26	POGO	1808	436	BACK OF BARAGANGAY HALL	GARONG	GARONG
27	SALAAAN	3139	806	0	0	0
28	SALAY	0	0	0	0	0
29	TALOGTOG	2664	737	Infront of Barangay Hall	Barangay Service (Garong)	Barangay Service (Garong)
30	TEBAG	3282	760	Infront of Brgy. Hall	N/A	N/A
TOTAL		98383	31796			

Source: SWM CY 2022

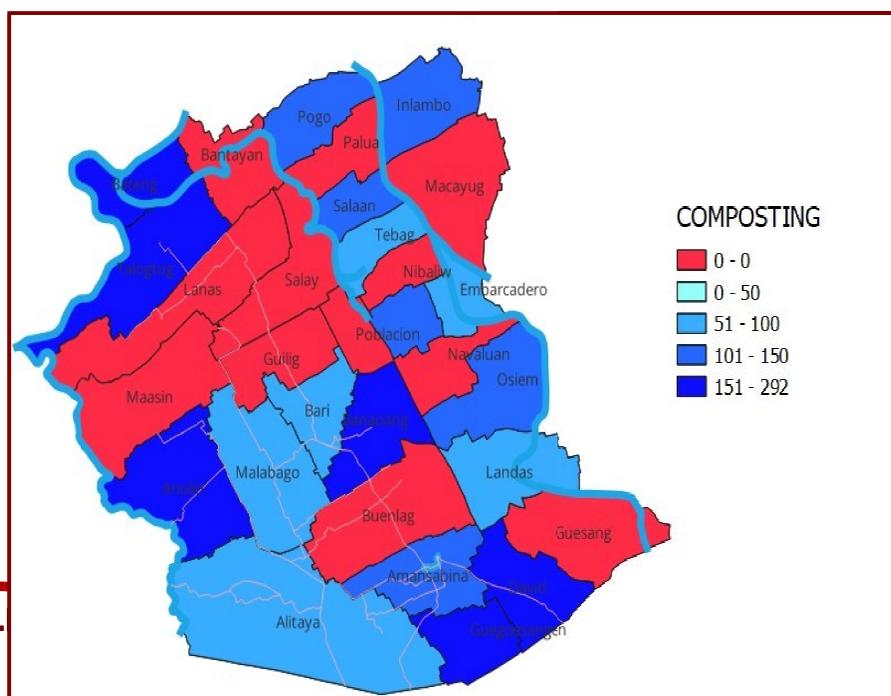
The data provided presents information on various barangays, including the population, number of households, Material Recovery Facility (MRF) location, type of garbage collection vehicle, and the number of garbage collection vehicles.

	BARANGAY	SOLID WASTE MANAGEMENT PRACTICES				
		Frequency of Garbage Collection	No. of Households	Segregation at Source	Composting	Burying
1	ALITAYA	N/A	1240	54	75	330
2	AMANSABINA	0	721	117	84	127
3	ANOLID	Every Friday	2138	855	214	431

4	BANAOANG	Every Week (Sunday)	1594	410	161	212
5	BANTAYAN	N/A	0	0	0	0
6	BARI	DAILY	1867	103	56	35
7	BATENG	None	741	76	214	295
8	BUENLAG	0	0	0	0	0
9	DAVID	NONE	1246	231	213	269
10	EMBARCADERO	N/A	683	77	70	215
11	GUEGUESANGEN	0	642	315	292	91
12	GUESANG	N/A	642	795	0	167
13	GUIGUILONEN	NONE	771	269	147	142
14	GUILIG	Weekly (4x per Month)	788	0	0	675
15	INLAMBO	0	493	91	93	85
16	LANAS	0	0	0	0	0
17	LANDAS	NONE	640	43	55	172
18	MAASIN	0	0	0	0	0
19	MACAYUG	0	0	0	0	0
20	MALABAGO	Once a Week	1282	1129	45	61
21	NAVALUAN	0	918	603	48	267
22	NIBALIW	N/A	898	117	310	302
23	OSIEM	0	1013	104	90	110
24	PALUA	0	0	0	0	0
25	POBLACION	2x/week (Wednesdays & Sundays)	0	1197	0	0
26	POGO	0	436	103	81	122
27	SALAAAN	0	806	113	78	60
28	SALAY	0	0	0	0	0
29	TALOGTOG	Twice a week	737	0	260	258
30	TEBAG	N/A	765	211	21	49
TOTAL			21061	7013	2607	4475

Source: SWM CY 2022

The data provided details the solid waste management practices in different barangays, including the frequency of garbage collection, number of households, segregation at source, composting, and burying.



	BARANGAY	No. of HHs covered by Garbage Collection	Quantity of Garbage Collected per Month (in kg)	Quantity of Garbage Collected Annually (in kg)	Quantity of Residual Disposed per month (in kg)	Place of Disposal (indicate where)
1	ALITAYA	NONE	NONE	NONE	NONE	NONE
2	AMANSABINA	0	0	0	0	0
3	ANOLID	567	75.210 kgs.	902.52 kgs.	40 kgs.	Transfer Facility at Brgy. Banaoang
4	BANAOANG	139	12400	149000	100	Banaoang, Mangaldan, Pangasinan
5	BANTAYAN	0	0	0	0	0
6	BARI	235	150 - 200 KG	2000 KG	60 KG	DUMPSITE
7	BATENG	0	N/A	N/A	N/A	N/A
8	BUENLAG	0	0	0	0	0
9	DAVID	0	NONE	NONE	NONE	NONE
10	EMBARCADERO	20	24	110	0	San Jacinto
11	GUEGUESANGEN	0	0	0	0	0
12	GUESANG	NONE	NONE	NONE	NONE	NONE
13	GUIGUILONEN	9	331	750	106	DUMPSITE
14	GUILIG	142	11,190	134,280	9,120	MTF at Brgy. Banaoang, Mangaldan Pangasinan
15	INLAMBO	493	2500	3000	0	MRF IN BARANGAY
16	LANAS	0	0	0	0	0
17	LANDAS	NONE	NONE	NONE	NONE	NONE
18	MAASIN	0	0	0	0	0
19	MACAYUG	0	0	0	0	0
20	MALABAGO	1385	8000 kg	96000 kg	90	MRF
21	NAVALUAN	N/A	0	0	0	0
22	NIBALIW	N/A	NONE	NONE	NONE	NONE
23	OSIEM	1013	300 kgs.	3,500 kgs.	0	0
24	PALUA	0	0	0	0	0
25	POBLACION	171	24184.45	290213.4	309.6	Municipal Garbage Transfer Facility
26	POGO	436	200	2400	0	MRF
27	SALAAAN	0	0	0	0	0
28	SALAY	0	0	0	0	0
29	TALOGTOG	0	0	0	0	Some part of Route I at our Barangay
30	TEBAG	0	0	0	0	0
TOTAL		4610	4610	4610	4610	

Source: SWM CY 2022

The data provided outlines the garbage collection and disposal practices in different barangays, including the number of households covered by garbage

	BARANGAY	Quantities of Waste Received and Processed (kg/day) at the Barangay Material Recovery Facility								
		RECYCLABLES								
		PAPER	CARTOONS / CARDBOARD	PET BOTTLES	PLASTICS	GLASS / BOTTLES	RUBBER	CLOTH MATERIALS	METAL	OTHERS

collection, quantity of garbage collected per month and annually, quantity of residual disposed per month, and the place of disposal.

1	ALITAYA	2kg	2 kg	NONE	5 kg	4kg	NONE	NONE	NONE	NONE
2	AMANSABINA	0	0	0	0	0	0	0	0	0
3	ANOLID	2	4	3	3	3	0	4	4	0
4	BANAOANG	0	0	0	0	0	0	0	0	0
5	BANTAYAN	0	0	0	0	0	0	0	0	0
6	BARI	2	3	3	1	2	1	1	1	0
7	BATENG	0	0	0	0	0	0	0	0	0
8	BUENLAG	0	0	0	0	0	0	0	0	0
9	DAVID	0	0	1	2	0	0	0	0	0
10	EMBARCADERO	2	1	0	1	0.1	0	0	0	0
11	GUEGUESANGEN	0	0	0	0	0	0	0	0	0
12	GUESANG	0	0	pcs only average 20pcs bottle every week	pcs only average 20pcs bottle every week	pcs only average 20pcs bottle every week	0	0	0	0
13	GUIGUILONEN	1	2	3	1	HALF	HALF	2	N/A	0
14	GUILIG	5	5	5	5	5	3	3	3	0
15	INLAMBO	0	5	0	30	10	0	0	0	0
16	LANAS	0	0	0	0	0	0	0	0	0
17	LANDAS	NO MRF	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
18	MAASIN	0	0	0	0	0	0	0	0	0
19	MACAYUG	0	0	0	0	0	0	0	0	0
20	MALABAGO	15	50	50	100	50	0	0	50	0
21	NAVALUAN	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
22	NIBALIW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
23	OSIEM	0	2 kgs.	0	0	3 kgs.	0	0	0	0
24	PALUA	0	0	0	0	0	0	0	0	0
25	POBLACION	309.6	309.6	309.6	309.6	309.6	309.6	309.6	309.6	309.6
26	POGO	0	5	0	0	3	0	0	0	0
27	SALAAAN	0	5 kgs.	0	0	5 kgs.	0	0	0	0
28	SALAY	0	0	0	0	0	0	0	0	0
29	TALOGTOG	1	1	NONE	1	1	NONE	NONE	NONE	0
30	TEBAG	1	2	3	1	0.5	0.5	1	0	0
TOTAL		338.6	387.6	377.6	454.6	384.2	314.1	320.6	367.6	309.6

Source: SWM CY 2022

The data provided presents the quantities of waste received and processed at the Barangay Material Recovery Facility, specifically focusing on recyclables such as paper, cartoons/cardboard, PET bottles, plastics, glass/bottles, rubber, cloth materials, metal, and others.

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	BARANGAY	Quantities of Waste Received and Processed (kg/day) at the Barangay Material Recovery Facility						Quantities of Waste Received and Processed (kg/day) at the Barangay Material Recovery Facility					
		COMPOSTABLES						RESIDUALS					
		FOOD WASTE	GARDEN & YARD WASTE	DEAD ANIMALS	ANIMAL MANURE	WOOD	OTHERS	SANDO BAGS	LEATHER BAGS	NAPKINS	DIAPERS	SACHET	OTHERS
1	ALITAYA	NONE	280 Kg	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE
2	AMANSABINA	0	0	0	0	0	0	0	0	0	0	0	0
3	ANOLID	4	3	4	3	3	0	4	3	4	10	5	0
4	BANAOANG	0	0	0	0	0	0	0	0	0	0	0	0
5	BANTAYAN	0	0	0	0	0	0	0	0	0	0	0	0
6	BARI	0	0	0	0	0	0	0.5	0	1	1	0	0
7	BATENG	0	0	0	0	0	0	0	0	0	0	0	0
8	BUENLAG	0	0	0	0	0	0	0	0	0	0	0	0
9	DAVID	1	5	0	0	0	0	0	0	0	0	0	0
10	EMBARCADERO	1	1	0	0	0	0	0	0	0	0	1	0.1
11	GUEGUESANGEN	0	0	0	0	0	0	0	0	0	0	0	0
12	GUESANG	0	0	0	N/A	0	0	0	0	0	N/A	0	0
13	GUIGUILONEN	1	2	N/A	N/A	HALF	0	HALF	0	N/A	0	2	0
14	GUILIG	10	15	0	5	5	0	20	5	15	249	15	0
15	INLAMBO	0	20	0	0	0	0	2	0	buried	buried	buried	0
16	LANAS	0	0	0	0	0	0	0	0	0	0	0	0
17	LANDAS	NO MRF	NONE	NONE	NONE	NONE	NONE	NO MRF	NONE	NONE	NONE	NONE	NONE
18	MAASIN	0	0	0	0	0	0	0	0	0	0	0	0
19	MACAYUG	0	0	0	0	0	0	0	0	0	0	0	0
20	MALABAGO	0	0	0	0	0	0	20	0	0	0	15	0
21	NAVALUAN	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE	NONE

SOCIO- ECONOMIC/ ECOLOGICAL PROFILE 2023

22	NIBALIW	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
23	OSIEM	0	0	0	0	0	0	0	0	0	0	0	0
24	PALUA	0	0	0	0	0	0	0	0	0	0	0	0
25	POBLACION	0	0	0	0	0	0	23874.85	23874.85	23874.85	23874.85	23874.85	23874.85
26	POGO	0	0	0	0	0	0	0	0	0	0	0	0
27	SALAAN	0	0	0	0	0	0	0	0	0	0	0	0
28	SALAY	0	0	0	0	0	0	0	0	0	0	0	0
29	TALOGTOG	0	0.5	0	0	0.5	3	1	0	0.5	0	0.5	2
30	TEBAG	1	1	N/A	N/A	N/A	0	0.5	0	0	N/A	0	1
TOTAL		18	47.5	4	8	8.5	3	23922.85	23882.85	23895.35	24134.85	23913.35	23877.95

Source: SWM CY 2022

The data provided presents the quantities of waste received and processed at the Barangay Material Recovery Facility, focusing on compostable and residuals including food waste, garden & yard waste, dead animals, animal manure, wood, others, sando bags, leather bags, napkins, diapers, sachet

5.9 PORT

- NOT APPLICABLE

5.10 MUNICIPAL/ CEMETERY

Number of Burials By Cemetery/Memorial Park		
Name of Cemetery Memorial Park	Location	No. Burials
		2023
1. Municipal Cemetery	Guilig, Mangaldan	257
2. Catholic Cemetery	Guilig, Mangaldan	271
3. St. John Memorial Park	Navaluan, Mangaldan	22
4. Pyramid Memorial Park	Guilig, Mangaldan	69
5. Pax Aeterna Memorial Park	Guilig, Mangaldan	78
6. Forest Lake	Guilig, Mangaldan	221

SOURCE: MUNICIPAL CIVIL REGISTRY 2023

5.11 SLAUGHTERHOUSE

6 COMPARATIVE STATEMENT OF COLLECTION C.Y 2023

2023

MONTH	HOGS	CARABAO	CATTLE	INSPECTION FEE	TRANSFER FEE	SLAUGHTER HOUSE	AMOUNT COLLECTED
January	2291	800	96	49,617.87	6,520.00	681,600.00	737,737.87
February	2055	758	101	40,800.00	6,210.00	634,160.00	681,170.00
March	1907	845	119	46,927.31	6,630.00	651,640.00	705,197.31
April	1835	734	102	45,500.00	5,060.00	562,211.00	612,771.00
May	2199	783	108	58,302.51	5,270.00	630,399.00	693,971.51
June	2132	687	92	51,600.00	4,640.00	583,531.00	639,771.00
July	2316	678	92	50,743.00	4,310.00	591,050.00	646,103.00
August	2335	660	87	47,350.00	4,330.00	623,822.00	675,502.00
September	2256	596	78	40,850.00	3,550.00	565,844.00	610,244.00
October	2453	654	81	40,800.00	4,190.00	616,953.00	661,943.00
November	2448	695	80	42,192.81	4,570.00	629,375.00	676,137.81
December	3374	897	129	46,566.63	6,010.00	856,942.00	909,518.63
GRAND TOTAL	27601	8787	1165	561,250.13	61,290.00	7,627,527.00	8,250,067.13

Source: MTO- Slaughterhouse

The table provides monthly data on livestock numbers and associated fees, as well as the total amount collected from slaughterhouses for each month and the grand total for the year.

2022

MONTH	HOGS	CARABAOS	CATTLES	INSPECTION FEE	TRANSFER FEE	SLAUGHTER HOUSE FEE	AMOUNT COLLECTED
January	1802	706	105	74,030.35	4,220.00	565,030.00	643,280.35
February	1616	680	99	79,487.75	3,920.00	508,500.00	591,907.75
March	1546	805	116	78,255.00	4,940.00	557,420.00	640,615.00
April	1467	796	111	82,352.44	4,230.00	548,530.00	635,112.44
May	1679	825	114	82,612.00	4,860.00	609,630.00	697,102.00
June	1469	741	112	79,687.78	4,750.00	524,850.00	609,287.78
July	1641	557	105	58,650.00	3,450.00	481,000.00	543,100.00
August	1582	607	103	65,985.81	3,510.00	494,210.00	563,705.81
September	1716	646	93	56,060.28	3,650.00	523,560.00	583,270.28
October	2092	770	94	53,618.10	4,510.00	616,160.00	674,288.10
November	2467	773	90	52,500.00	4,660.00	659,930.00	717,090.00
December	3142	1006	139	54,636.44	6,560.00	871,710.00	932,906.44
Grand Total	22,219	8912	1281	817,875.95	53,260.00	6,960,530.00	7,831,665.95

Source: MTO- Slaughterhouse

CHAPTER VI

LOCAL INSTITUTIONAL CAPABILITY

6.1 L

REVENUE & EXPENDITURES CY2023			
YEAR	REVENUE	EXPENDITURES	SURPLUS/DEFICIT
2023	410,081,018.08	403,235,832.09	6,845,185.99

FISCAL MANAGEMENT

Source: Accounting Office

INTERNAL REVENUE ALLOTMENT SHARE, CY 2010-2022		
YEAR	IRA SHARE	INCREASE (DECREASE) %
2023	303,301,378.00	-14.42
2022	354,411,766.00	-
2021	259,284,119.00	7.18
2020	241,921,967.00	11.13
2019	214,987,200.00	9.12
2018	195,389,186.00	7.32
2017	182,059,337.00	12.57
2016	161,737,033.00	10.34
2015	146,586,989.00	14.63
2014	127,878,776.00	13.98
2013	112,190,912.00	16.14
2012	96,596,386.00	(2.78)
2011	99,355,687.00	8.35

Source: Accounting Office

**DEVELOPMENT FUND
(20% of IRA UTILIZATION FUND) CY 2010-2023**

YEAR	AMOUNT
2023	61,000,000.00
2022	54,784,253.72
2021	41,171,776.26
2020	28,906,687.25
2019	30,148,451.91
2018	34,544,240.72
2017	25,925,043.65
2016	17,852,438.92
2015	27,206,822.62
2014	25,575,755.00
2013	22,438,182.20
2012	19,319,277.20
2011	18,340,201.80

2010	17,258,445.20
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Source: Accounting Office

APPROPRIATE VS EXPENDITURES

ITEM	APPROPRIATE 2023
General Public Services (GPS)	140,601,196.01
Housing & Comm. Dev't. (HCD)	107,530,159.88
Economic Services (ES)	43,426,412
Misc. & other Purposes (MOP)	125,486,181.12
Health Services (HS)	27,822,904
Social Welfare Services (SWS)	31,932,199.75
Education, Culture, Sports & Manpower Dev't. (ECM)	12,500,000
Total	489,299,052.76

Source: Budget Office

ITEM	EXPENDITURE 2023
General Public Services (GPS)	120,588,656.44
Housing & Comm. Dev't. (HCD)	88,890,661.90
Economic Services (ES)	37,695,989.82
Misc. & other Purposes (MOP)	24,223,963.93
Health Services (HS)	107,494,912.25
Social Welfare Services (SWS)	24,341,647.75
Education, Culture, Sports & Manpower Dev't. (ECM)	6,768,560.83
Total	470,004,392.92

Source: Accounting Office

ESTIMATED INCOME VS ACTUAL INCOME CY 2023

SOURCE	ESTIMATED INCOME 2023
1. General Fund	
-Tax Revenue	-49,800,000
-Operating & Misc. Revenue	-23,910,000
Sub-Total	-73,710,000
2. Special Education Fund Tax Revenue	12,500,000
TOTAL INCOME	86,210,000

Source: Budget Office

SOURCE	ACTUAL INCOME 2023
1. General Fund	
-Tax Revenue	-46,208,602.63
-Operating & Misc. Revenue	-3448,882,385.16
Sub-Total	395,090,987.79
2. Special Education Fund Tax Revenue	7,323,025.69
TOTAL INCOME	402,414,013.48

Source: Accounting Office

BARANGAY IRA SHARE 2023

BARANGAYS	BARANGAY (90%)	SK (10%)	TOTAL
Alitaya	5,198,252.33	577,583.59	5,775,835.92
Amansabina	3,617,654.78	401,961.64	4,019,616.42

Anolid	7,888,546.08	876,505.12	8,765,051.20
Banaoang	6,133,659.07	681,517.67	6,815,176.74
Bantayan	4,496,297.53	499,588.61	4,995,886.14
Bari	6,304,750.56	700,527.84	7,005,278.40
Bateng	3,760,764.01	417,862.67	4,178,626.68
Buenlag	5,037,554.24	559,728.25	5,597,282.49
David	5,579,610.46	619,956.72	6,199,567.18
Embarcadero	3,624,050.73	402,672.30	4,026,723.03
Gueguesangen	3,656,829.93	406,314.44	4,063,144.37
Guesang	4,656,196.12	517,355.12	5,173,551.24
Guiguilonen	4,210,878.55	467,875.39	4,678,753.94
Guilig	4,210,878.55	467,875.39	4,678,753.94
Inlambo	2,944,481.72	327,164.64	3,271,646.36
Lanas	4,120,535.84	457,837.32	4,578,373.16
Landas	3,369,811.97	374,423.55	3,744,235.52
Maasin	4,765,726.65	529,525.18	5,295,251.83
Macayug	3,543,301.94	393,700.22	3,937,002.15
Malabago	5,553,227.20	617,025.24	6,170,252.44
Navaluan	1,451,028.91	161,225.43	1,612,254.34
Nibaliw	4,118,137.36	457,570.82	4,575,708.18
Osiem	4,127,731.28	458,636.81	4,586,368.09
Palua	3,359,418.56	373,268.73	3,732,687.29
Poblacion	1,451,028.91	161,225.43	1,612,254.34
Pogo	2,856,537.50	317,393.06	3,173,930.55
Salaan	3,796,741.20	421,860.13	4,218,601.33
Salay	6,155,245.38	683,916.15	6,839,161.53
Talogtog	1,451,028.91	161,225.43	1,612,254.34
Tebag	3,508,923.74	389,880.42	3,898,804.16
TOTAL	124,948,829.97	13,883,203.33	138,832,033.30

**ANNUAL COMPARATIVE REPORT ON REAL PROPERTY TAX
COLLECTION, 2022-2023**

MONTHS	2022	2023	COMPLETE
January	1,349,413.01	1,411,063.23	61,650.22
February	1,031,082.32	914,464.04	116,618.28
March	2,467,112.00	1,510,898.46	956,213.54
April	312,044.66	365,255.78	53,211.12
May	219,134.16	291,064.82	71,930.66
June	1,378,725.88	226,914.44	1,151,811.44
July	550,872.81	211,091.80	339,781.01
August	276,428.22	207,805.11	68,623.11
September	208,617.04	280,873.18	72,256.14
October	336,652.66	240,529.38	96,123.28
November	483,840.88	352,876.04	130,964.84
December	2,194,525.00	2,789,322.38	594,797.38
TOTAL	10,808,448.64	8,802,158.66	2,006,289.98

SOURCE: RPTS 2023

**ANNUAL COMPARATIVE REPORT ON REAL PROPERTY TAX
COLLECTION, 2021-2022 BASIC AND SEF TAX**

MONTHS	2022	2023	COMPLETE
January	6,746,859.23	7,054,851.19	307,991.96

February	5,155,095.60	4,572,320.18	582,775.42
March	12,335,260.00	7,554,492.26	4,780,767.74
April	1,560,223.30	1,826,278.90	266,055.60
May	1,095,670.80	1,454,755.00	359,084.20
June	6,893,629.40	1,134,572.20	5,759,057.20
July	2,754,364.10	1,055,459.00	1,698,905.10
August	1,382,141.10	1,039,025.50	343,115.60
September	1,042,780.70	1,404,365.90	361,585.20
October	1,683,263.30	1,202,646.90	480,616.40
November	2,419,151.30	1,764,255.10	654,896.20
December	10,972,625.00	13,946,611.88	2,973,986.88
TOTAL	54,041,063.83	44,009,634.01	10,031,429.82

SOURCE: RPTS 2023

**Real Property Tax Summary of Collections
Comparative Report 2020 - 2021**

MONTHS	2020	2021	Difference/Increase/Decrease of Coll.
January	43,124,759.47	36,033,289.15	(7,091,470.32)
February	10,340,962.12	10,043,695.58	(297,266.54)
March	8,292,299.55	14,387,350.56	6,095,051.01
April	1,379,419.90	9,029,214.00	7,649,794.10
May	3,212,299.67	5,046,723.82	1,834,424.15
June	8,977,104.32	4,753,574.74	(4,223,529.58)
July	10,200,520.34	9,363,615.69	(836,904.65)
August	4,369,391.21	4,694,336.53	324,945.32
September	4,083,888.31	4,727,419.96	643,531.65
October	7,759,595.84	8,645,735.17	886,139.33
November	5,279,536.42	5,202,826.14	(76,710.28)
December	6,619,915.77	7,513,502.82	893,587.05
TOTAL	113,639,692.92	119,441,284.16	5,801,591.24

SOURCE: RPTS 2023

COMPARATIVE REPORT OF TOTAL COLLECTIONS FOR BUILDING PERMIT & ANCILLARY PERMITS, ACCESSORY PERMITS & OTHER ENGINEERING PERMIT FEES (P.D. 1096)

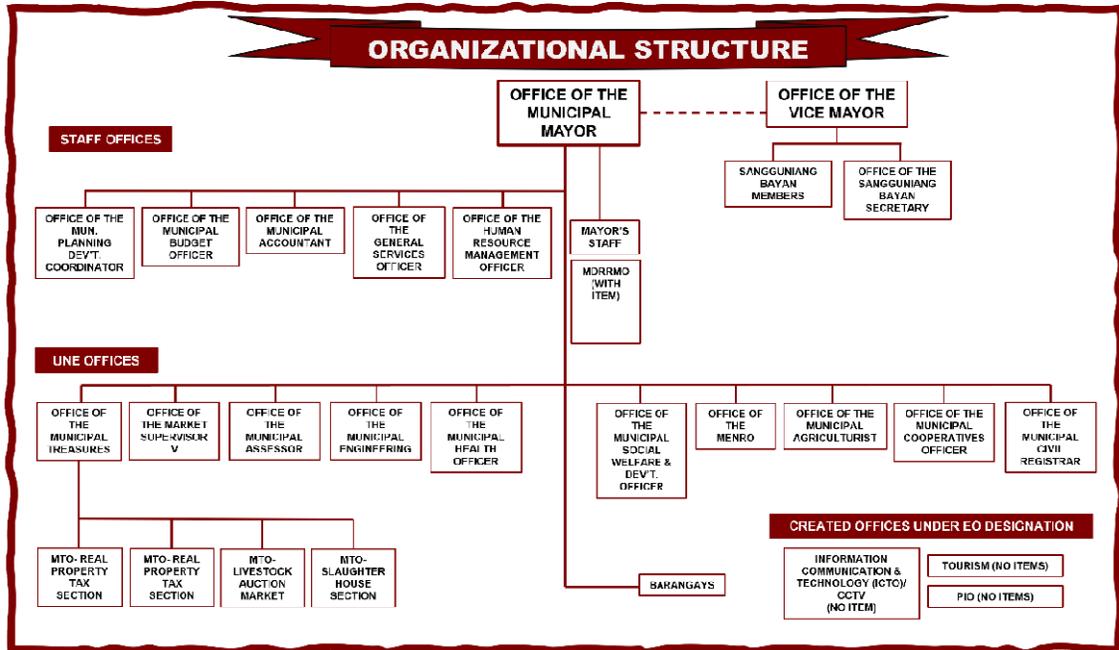
MONTHS	CY 2022			CY 2023		
	Building Permit and Ancillary Permit Fees	Accessory Permit Fees	Total	Building Permit and Ancillary Permit Fees	Accessory Permit Fees	Total
January	285,090.82	1,093,182.60	1,378,273.42	539,217.83	1,182,808.58	1,722,026.41
February	415,778.27	332,494.40	748,272.67	368,630.55	192,534.16	368,630.55
March	507,430.75	85,943.75	593,374.50	421,239.04	72,946.00	494,185.04
April	413,160.75	33,151.00	446,311.75	464,320.83	54,251.75	518,572.58
May	358,625.52	26,547.75	385,173.27	431,167.33	36,945.00	468,112.33
June	360,518.04	32,375.00	392,890.04	535,332.32	56,300.75	591,633.07
July	84,212.25	37,446.75	121,659.00	534,682.05	43,373.00	578,055.05
August	320,123.27	19,339.00	339,462.27	281,324.53	32,721.00	314,045.53
September	615,384.08	27,941.50	643,325.58	499,873.90	37,254.00	537,127.90
October	408,556.64	20,941.25	429,497.89	403,666.85	19,210.50	422,877.35
November	547,354.32	10,502.00	557,856.32	468,123.08	36,816.00	504,939.08

December	438,249.30	528.00	438,777.30	379,621.56	9,252.00	388,873.56
TOTAL	4,754,484.01	1,720,390.00	6,474,874.01	5,327,199.87	1,581,878.58	6,909,078.45

Source: Municipal Engineering Office

6.2 LOCAL GOVERNMENT STRUCTURE

7 LGU's ORGANIZATIONAL STRUCTURE



**SUMMARY OF PERSONNEL
(For Ecological Profile CY 2023)**

Mayor's Office-----	78
Sangguniang Bayan-----	11
Sangguniang Bayan Secretariat-----	48
Municipal Library-----	6
Mun. Planning & Dev't. Coord. Office-----	6
Municipal Treasurer's Office-----	14
MTO – Real Property Tax Section-----	11
Business Permit and Licensing Section-----	7
Public Market-----	43
MTO – Slaughterhouse Section-----	34
Municipal Assessor's Office-----	8
Municipal Accounting Office-----	13
Municipal Budget Office-----	5
Mun. Civil Registrar's Office-----	6
Human Resource Mgmt. Officer-----	11
Mun. Environment & Natural Res. Office / SWM-----	7
Municipal Engineering Office -----	10
Municipal Cooperatives Office-----	1
Municipal Agriculture's Office -----	12
Municipal Social Welfare & Dev't. Office-----	9
Municipal Health Office-----	56
General Services Office-----	100
COMELEC (Mangaldan)-----	4
DILG (Mangaldan)-----	1
COA (Mangaldan)-----	2
MTRG / Building Guard-----	73
POSTAL (Mangaldan)-----	1
TOTAL	577

REGULAR & ELECTED = 261

OFFICE	TOTAL No. OF EMPLOYEES	POST GRADUATE	COLLEGE		VOCATIONAL	HIGH SCHOOL		ELEMENTARY	
			GRAD.	LEVEL		GRAD.	LEVEL	GRAD.	LEVEL
Mayor's Office	78	1	27	28	2	20	0	0	0
Sangguniang Bayan	11	0	10	0	0	1	0	0	0
Sangguniang Bayan Secretariat	48	1	26	0	0	21	0	0	0
Municipal Library	6	0	4	2	0	0	0	0	0
Mun. Planning & Dev't. Coord. Office	6	2	4	0	0	0	0	0	0
Municipal Treasurer's Office	14	0	10	2	0	1	1	0	0
MTO – Real Property Tax Section	11	0	8	2	0	1	0	0	0
Business Permit and Licensing Section	7	0	5	2	0	0	0	0	0
Public Market	43	1	15	9	1	10	2	5	0
MTO – Slaughterhouse Section	34	0	16	1	2	12	2	1	0
Municipal Assessor's Office	8	0	5	2	1	0	0	0	0
Municipal Accounting Office	13	0	12	0	1	0	0	0	0
Municipal Budget Office	5	1	4	0	0	0	0	0	0
Mun. Civil Registrar's Office	6	0	5	1	0	0	0	0	0
Human Resource Mgmt. Officer	11	1	8	2	0	0	0	0	0
Mun. Environment & Natural	7	1	1	0	0	5	0	0	0

JOB ORDER = 316
TOTAL = 577

EMPLOYEE DISTRIBUTION BY EDUCATIONAL STATUS (as of CY 2023)

Res. Office / SWM									
Municipal Engineering Office	10	0	8	0	1	1	0	0	0
Municipal Cooperatives Office	1	1	0	0	0	0	0	0	0
Municipal Agriculture's Office	12	3	9	0	0	0	0	0	0
Municipal Social Welfare & Dev't. Office	9	0	7	1	1	0	0	0	0
Municipal Health Office	56	1	41	3	1	9	1	0	0
General Services Office	100	0	9	4	4	49	0	34	0
COMELEC (Mangaldan)	4	0	3	1	0	0	0	0	0
DILG (Mangaldan)	1	0	1	0	0	0	0	0	0
COA (Mangaldan)	2	0	2	0	0	0	0	0	0
MTRG / Building Guard	73	0	12	27	6	28	0	0	0
POSTAL (Mangaldan)	1	0	1	0	0	0	0	0	0

TRAININGS / SEMINARS ATTENDED (CY 2023)

Municipal Accounting Office	1	Municipal Agriculture's Office	20
DILG	1	Municipal Engineering Office	4
Municipal Planning & Development Coord. Office	4	Mayor's Office	3
Human Resource Mgmt. Office	3	PESO	2
Municipal Library	1	Municipal Budget Office	2
Municipal Civil Registrar's Office	2	MDRRMO	7
Municipal Social Welfare & Dev't. Office	7	MENRO	1
Municipal Health Office	20	Municipal Cooperatives Office	2
Municipal Treasurer's Office	6	Municipal Assessor's Office	3
MTO – RPTS	1	Sangguniang Bayan	10
Mayor's Office – PIO	1	MTO – Slaughterhouse	1

EMPLOYEE DISTRIBUTION BY ELIGIBILITY STATUS (as of CY 2023)

OFFICE	TOTAL NO. OF EMPLOYEES	ELIGIBILITY STATUS (LEVEL)			
		1 ST	2 ND	BOARD	NONE
Mayor's Office	78	2	6	3	67
Sangguniang Bayan	11	0	1	6	4
Sangguniang Bayan Secretariat	48	1	2	1	44
Municipal Library	6	1	0	1	4
Mun. Planning & Dev't. Coord. Office	6	1	2	2	1
Municipal Treasurer's Office	14	2	4	1	7
MTO – Real Property Tax Section	11	4	2	1	4
Business Permit and Licensing Section	7	1	2	0	4
Public Market	43	5	2	2	34
MTO – Slaughterhouse Section	34	1	2	3	28
Municipal Assessor's Office	8	0	3	1	4
Municipal Accounting Office	13	2	2	3	6
Municipal Budget Office	5	2	1	0	2
Mun. Civil Registrar's Office	6	0	3	1	2
Human Resource Mgmt. Officer	11	2	3	1	5
Mun. Environment & Natural Res. Office / SWM	7	0	1	0	6
Municipal Engineering Office	10	1	0	6	3
Municipal Cooperatives Office	1	0	0	1	0
Municipal Agriculture's Office	12	0	0	9	3
Municipal Social Welfare & Dev't. Office	9	1	0	5	3
Municipal Health Office	56	1	0	27	28

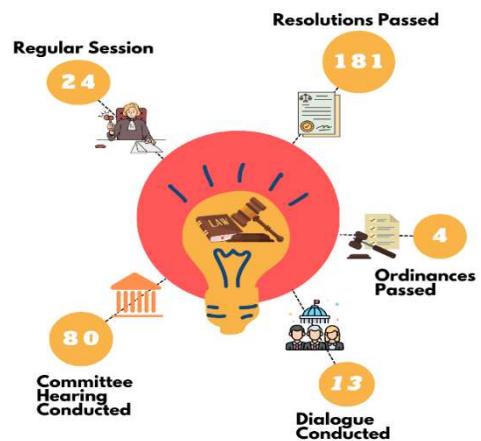
General Services Office	100	4	1	3	92
COMELEC (Mangaldan)	4	0	0	0	4
DILG (Mangaldan)	1	0	0	0	1
COA (Mangaldan)	2	1	0	0	1
MTRG / Building Guard	73	1	2	0	70
POSTAL (Mangaldan)	1	0	0	0	1

SALARY RANGE (CY 2023)

PLANTILLA POSITIONS		
SG	NUMBER OF EMPLOYEES	SALARY (MONTHLY)
24-27	29	More than P 81,070.00
11-22	54	Between P 24,300.00 & P 65,319.00
4-10	75	Between P 14,027.00 & P 21,565.00
2-3	103	Lowest salary P 12,437.00
JOB ORDER EMPLOYEES		Php 375 / day (Clerical), Php 400 / day (Field)

**SANGGUNIANG BAYAN ACCOMPLISHMENT REPORT 2023
LEGISLATIVE MEASURES/EVENTS**

NUMBER OF	JANUARY – JUNE 2023
Regular Session	24
Special Session	-
Resolutions Passed	181
Ordinances Passed	4
Public Hearing Conducted	5
Committee Hearing Conducted	80
Dialogue Conducted	13
Administrative Hearing Conducted	3



The data shows that from January to June 2023, the Sangguniang Bayan in Mangaldan conducted 24 regular sessions but no special sessions. They passed 185 legislative measures, including 181 resolutions and four ordinances. The body also held 5 public hearings, 80 committee hearings, 13 dialogues, and 3 administrative hearings. This data shows a high level of legislative productivity and engagement during the first half of 2023.

SB MEMBERS	JANUARY – DECEMBER 2023	
	AUTHORIZED	SPONSORED
Hon. VM Dr. Mark Stephen V. Mejia	-	-
Hon. Aldrin O. Soriano	117	145
Hon. Atty. Fernando Juan A. Cabrera	-	94

Hon. Atty. Joseph Emmanuel B. Cera	-	31
Hon. Dr. Joselito G. Quinto	-	17
Hon. Juvy O. Frialde	-	34
Hon. Christopher G. Romero	-	12
Hon. Joel C. Meneses	-	16
Hon. Lovely Lian C. Maramba	-	16
Hon. Rolly G. Abalos	-	13
Hon. Michael Ervin C. Lomibao	-	21

RESOLUTIONS

NUMBER OF	JANUARY - DECEMBER 2023
Regular Session	50
Special Session	2
Resolutions Passed	337
Ordinances Passed	10
Public Hearing Conducted	6
Committee Hearing Conducted	162
Dialogue Conducted	21
Administrative Hearing Conducted	3

TITLE	AUTHORED/ SPONSORED *
1. MUNICIPAL ORDINANCE NO. 2023 – 01. An Ordinance Establishing the Mental Health Care Services in the Local Government Unit of Mangaldan, Pangasinan, Establishing Mechanism and Guidelines for its Implementation, adopting certain provisions of R.A. 11036, Appropriating the necessary funds therefor, and for other purposes.	Coun. Aldrin O. Soriano
2. MUNICIPAL ORDINANCE NO. 2023– 02. An Ordinance officially Declaring and Adopting the song “Logor Ed Baley” as the Official Loyalty Song of the Municipality of Mangaldan, Pangasinan.	Coun. Aldrin O. Soriano
3. MUNICIPAL ORDINANCE NO. 2023 – 03. An Ordinance Regulating Swimming and other related recreational activity along Angalacan River in the Municipality of Mangaldan, Pangasinan.	Coun. Aldrin O. Soriano
4. APPROPRIATION ORDINANCE NO. 2023 – 01. An Ordinance Enacting Supplemental Budget No. 1, CY 2023 Of General Fund for the operation of the Municipal Government, Pangasinan and providing appropriation thereof.	Coun. Aldrin O. Soriano* Coun. Atty. Fernando Juan A. Cabrera*
5. APPROPRIATE ORDINANCE NO. 2023-02. An Ordinance Enacting Supplemental Budget No. 1, CY 2023 of General Fund for the operation of the Municipal Government of Mangaldan, Pangasinan and providing appropriation thereof.	Coun. Aldrin O. Soriano* Coun. Atty. Fernando Juan A. Cabrera*
6. MUNICIPAL ORDINANCE NO. 2023-04. An Ordinance Establishing the Official Seal of the Sangguniang Bayan of Mangaldan, Pangasinan, prescribing the Use and imposing penalty for Unofficial Use thereof.	Coun. Atty. Fernando Juan A. Cabrera*
7. APPROPRIATION ORDINANCE NO. 2023-03. An Ordinance Enacting Supplemental Budget No. 3, CY 2023 of General Fund for the operation of the Municipal Government of Mangaldan, Pangasinan and providing appropriation thereof.	Coun. Aldrin O. Soriano* Coun. Atty. Fernando Juan A. Cabrera*
8. APPROPRIATION ORDINANCE NO. 2023-04. An Ordinance Enacting the General Fund Annual Budget and for the operation of Economic Enterprises of the Municipal Government of Mangaldan, Pangasinan in the amount of Four Hundred Thirty-Seven Million Six Hundred Sixty-Two Thousand Seven Hundred Forty-Eight Pesos (P437,662,748.00) during the period January 01, 2024 to December 31, 2024 and providing appropriations thereof.	Coun. Aldrin O. Soriano*
9. APPROPRIATION ORDINANCE NO. 2023-05. An Ordinance Enacting Supplemental Budget No. 4, CY 2023 of General Fund for the operation of the Municipal Government of Mangaldan, Pangasinan and providing appropriation thereof.	Coun. Aldrin O. Soriano*
10. MUNICIPAL ORDINANCE NO. 2023-05. An Ordinance Creating different Plantilla position under different offices in the Municipality of Mangaldan, Pangasinan and appropriating funds thereof.	Coun. Atty. Fernando Juan A. Cabrera*

COMMITTEE CHAIRMANSHIP:

COUNCILOR ALDRIN O. SORIANO

- APPROPRIATIONS, WAYS AND MEANS
- AWARDS AND RECOGNITION
- EDUCATION
- PUBLIC INFORMATION, MASS AND SOCIALMEDIA
- CULTURE, HERITAGE AND THE ARTS

COUNCILOR ATTY. FERNANDO JUAN A. CABREBRA

- GAMES AND AMUSEMENT
- PERSONNEL AND REORGANIZATION
- RULES, LAWS AND ORDINANCES
- ZONING AND LAND USE

COUNCILOR ATTY. JOSEPH EMMANUEL B. CERA

- BLUE RIBBON
- INVESTMENT, TRADE AND INDUSTRY, BANKS/LENDING, AND ECONOMIC ENTERPRISE
- PEACE AND ORDER, AND PUBLIC SAFETY

COUNCILOR DR. JOSELITO G. QUINTO

- LIVELIHOOD, LABOR, AND EMPLOYMENT
- E-GOVERNANCE, AND SCIENCE AND TECHNOLOGY

COUNCILOR JUVY O. FRIALDE

- AGRICULTURE, FISHERIES AND AQUATIC RESOURCES
- DISASTER MANAGEMENT AND RESILIENCY
- WOMEN, FAMILY, CHILDREN AND GENDER DEVELOPMENT

COUNCILOR CHRISTOPER G. ROMERO

- ENVIRONMENT AND NATURAL RESOURCES

COUNCILOR JOEL C. MENESES

- INFRASTRUCTURE, PUBLIC WORKS, HOUSING AND SETTLEMENTS
- PUBLIC MARKET, SLAUGHTERHOUSE, AND LIVESTOCK MARKET
- PUBLIC UTILITIES AND TRANSPORTATION
- SENIOR CITIZENS AFFAIRS

COUNCILOR LOVELY LIAN C. MARAMBA

- HEALTH, NUTRITION, AND SANITATION
- TOURISM, SPECIAL EVENTS, PARKS, AND PLAYGROUNDS

COUNCILOR FLORIDA G. ABALOS

- BARANGAY AFFAIRS
- NGO'S, COOPERATIVES AND PEOPLE EMPOWERMENT

SK Chairman Mark Harold G. Bautista

- SOCIAL WELFARE AND DIFFERENTLY ABLE PERSONS
- YOUTH EMPOWERMENT AND SPORTS DEVELOPMENT

6.3 LATEST VOTER'S STATISTICS

ELECTIONS	NUMBER OF REGISTERED VOTERS	NUMBER OF VOTERS WHO ACTUALLY VOTED	VOTERS TURNOUT
MAY 10, 2010 National and Local Elections	54,031	44,973	83.20%
MAY 13, 2013 National and Local Elections	56,255	47,461	84.37%
OCTOBER 28, 2013 Barangay Elections	58,054	47,596	81.99%
MAY 9, 2016 National and Local	57,805	49,558	85.58%

Elections			
MAY 13, 2019 National and Local Elections	65,115	53,243	81.77%
MAY 9, 2022 National and Local Elections	67,912	60,287	88.77%

TOTAL NUMBERS OF REGISTERED VOTERS 2023

NO.	BARANGAY	NO. OF MALES	NO. OF FEMALES	TOTAL
1	ALITAYA	1501	1556	3057
2	AMANSABINA	913	903	1816
3	ANOLID	2086	2185	4271
4	BANAOANG	1953	1985	3938
5	BANTAYAN	1369	1301	2670
6	BARI	1704	1691	3395
7	BATENG	904	912	1816
8	BUENLAG	1301	1281	2582
9	DAVID	1469	1472	2941
10	EMBARCADERO	912	974	1886
11	GUEGUESANGEN	946	927	1873
12	GUESANG	1199	1202	2401
13	GUIGUILONEN	1045	1054	2099
14	GUILIG	1257	1211	2468
15	INLAMBO	598	578	1176
16	LANAS	1045	1079	2124
17	LANDAS	728	698	1426
18	MAASIN	1313	1326	2639
19	MACAYUG	898	890	1788
20	MALABAGO	1377	1408	2785
21	NAVALUAN	1165	1204	2369
22	NIBALIW	1024	933	1957
23	OSIEM	1110	1054	2164
24	PALUA	757	765	1522
25	POBLACION	1534	1641	3175
26	POGO	522	520	1042
27	SALAAAN	843	866	1709
28	SALAY	1514	1587	3101
29	TALOGTOG	1514	1587	3101
30	TEBAG	870	947	1817
TOTAL NUMBERS OF REGISTERED VOTERS 2023		34647	35019	69666
TOTAL NUMBERS WHO ACTUALLY VOTED 2022		33695	34217	67912

SOURCE: COMELEC

PREPARED BY:

EDWIN C. BIASBAS, LPT, MIT
Information System Analyst II

MAYGAN M. ESPEJO, LPT
OMPDC/ICTO- ICT Staff (GIP)

NOTED BY:

MILAGROS J. PADILLA, EnP
Mun. Planning & Dev't. Coordinator

Annex A

THE MANGALDAN RIVER SYSTEM

The Mangaldan River System, comprising four rivers—Angalacan River (9.575 kilometers long), Manguiragday River (4.626 kilometers), Old Mangaldan River (7.664 kilometers), and Paldakit River (6.365 kilometers)—weaves through the picturesque landscape of Mangaldan, Philippines. These waterways not only enhance the natural charm of Mangaldan but also serve as the primary source of livelihood for many locals, particularly in the fisheries sector.

Beyond the aesthetic and economic significance, the Mangaldan River System plays a pivotal role in supporting the region's diverse ecosystem. These rivers provide habitats for various aquatic species and contribute to the environmental balance. Additionally, they serve as vital irrigation channels, supporting agricultural activities crucial for the community's food security and economic prosperity.

The commendable efforts of the Local Government Unit of Mangaldan in preserving and improving the Mangaldan River System have earned them recognition and prestigious awards. Notably, they were honored with the Provincial Pistay Dayat Award for the Cleanest River and Riverbanks during the 2010 Search for the Cleanest River. This recognition underscores the dedication of local authorities and residents to conserving this invaluable natural asset.

Aligned with the theme "Ilog ko, Bilayen Ko Tan Aroen Ko" (My River, I Will Protect and Love It), the Local Government Unit of Mangaldan continues to implement various initiatives aimed at safeguarding the integrity of the Mangaldan River System. These efforts include regular clean-up activities, mangrove planting, fingerlings dispersal and awareness campaigns to foster environmental stewardship among the populace. Through collaborative endeavors and unwavering dedication, Mangaldan strives to ensure the long-term health and sustainability of its rivers, preserving them for future generations to cherish and benefit from. (ed_icto)

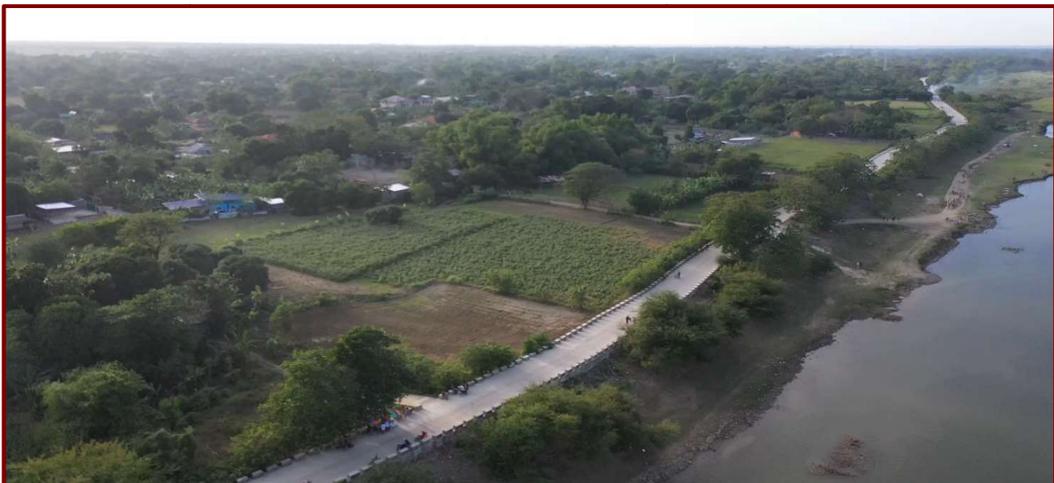


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Republic of the Philippines
Province of Pangasinan

MANGALDAN

2023

SOCIO-ECONOMIC ECOLOGICAL PROFILE



Serbisyong Matibay, Walang Kapantay



MAYOR'S VISION ON DIGITAL GOVERNANCE



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HON. BONA FE DE VERA-PARAYNO
Municipal Mayor

