

## CHAPTER 3 SECTORAL DEVELOPMENT PLAN

### 3.1 ECONOMIC SECTOR

#### Agriculture

##### a. Existing Situation

The Barangay of Aplaya, Hagonoy, Davao del Sur has a total land area of 479 hectares of fertile soil suitable to cultivation of various agricultural crops of which 355.30 hectares are effectively cultivated.

The major crops grown are Banana. Other crops cultivated are Sugarcane, Coconut, Mango, Sugarcane and other fruits, and vegetables. (See Table \_\_\_\_\_ below)

**Table No. \_\_\_\_\_ . Area Devoted to Agricultural Crop Production  
Barangay Aplaya, Hagonoy, Davao del Sur**

Crops	Area (Hectare)	% Total Land Area	To
Rice			
Banana			
Sugarcane			
Coconut			
Mango			
Corn			
Others			
<b>TOTAL</b>			

Source : Barangay Survey , Year \_\_\_\_

#### Farm to Market Roads

A total of seven (7) kilometers of farm to market roads is existing in the barangay with aggregates of 3.5 kilometers provincial road and 3.5 kilometers Barangay road. Most FMRs are graveled roads, which is about 6 kilometers, with 1 kilometer concreted.

#### Milling Facilities, Warehouses, Dryers

There are no post-harvest facilities such as warehouse and for milling. The only available facility is solar dryer for corn and copra. There is no charging fee for using the facility.

### **Communication Facilities**

At present, the most convenient, fastest and dependable means of communication is by the use of cellphones or mobile phones. The farmers, middlemen, buyers are normally equipped with this facility.

### **Agricultural Support Program (Credit/Financing Services)**

There is no private bank in Barangay Aplaya which operates and serves the financing needs of the farmers in the Barangay. However, there are private financing institutions which offer financial assistance through loans such as Life Bank, Friends, Card and etc.

### **Livestock and Poultry**

Poultry and Livestock in the Barangay are mostly small scale and backyard-raised. With feed grains and other feed components readily available for poultry and livestock raising, yet there is insufficiency as against the demand of the local population.

Poultry and livestock is a very promising and viable livelihood of the farmers. Like other agricultural crops, poultry and livestock are also sold to traders outside of the municipality.

### **Fishery**

The swamps and the marshes along the Barangay were developed into fishponds. Bangus and tilapia ponds are about approximately 25 hectares. However, some fishpond owners operate their Bangus ponds into fingerlings (or GARUNGAN) and deliver it to the fish cage which is sold by piece instead of selling it per kilo in the public market.

Some of the fishpond growers operate on a Fishpond Lease Agreement (FLA) and there are also fishpond owners who personally operate their own. The fish and marine resources in the Barangay were observed to be markedly decreased and/or depleted.

**Table No. 23. Area, Location and Production of Fishing Grounds**  
Barangay of Aplaya, 2005

Fishing Ground (Purok)	Area	Volume of Catch		Value
		Average (kg/ha)	Total (kgs.)	
Purok 2-5	15 hec.	n/a	n/a	P1/inch(fingerlings)
Purok 6-7	10 hec.	n/a	n/a	P1/inch(fingerlings)

Source : DA, Hagonoy

There are one hundred twenty-five (125) fishermen in Barangay Aplaya using a total of seventy five (75) fishing bancas. There are thirty five (35) motorized and fifteen (15) non-motorized.

Commercial fishing within the territorial limits of the municipal waters is nil. Average fishcatch by fisherfolks in the municipal waters is estimated to be at two (2) kilos per day per catch.

## **Crops Production**

### **Banana Production**

The prospect of banana production for export is not very rosy. Stiff competition by other banana-producing countries poses a threat to once vigorous industry. To maintain the quality standard imposed by foreign markets would mean additional production costs. The direct benefits of the barangay is the provision of employment for the people because the production process is labor intensive. On the other hand, the barangay has to contend with the resultant pollution problem threatening the immediate environs.

### **Corn Production**

Corn production is just enough for the consumption requirements of the population. Corn produce is sold outside the barangay. Thus, the needs for livestock and poultry feeds are important.

### **Coconut Production**

Coconut plantation areas have tremendously decreased from an estimated \_\_\_\_\_ to about \_\_\_\_\_ hectares at present. The main reason for the massive cutting down of coconut trees is the change of crop – from coconut to mango, to sugarcane, or to bananas. The secondary causes are the high susceptibility of crops to the world market prices and the need for coconut lumber in the housing and other construction needs. And also the plan of some coconut landowners to convert the use of the property to non-agricultural purposes.

## **Sugarcane Production**

The operation of Davao Sugar Central Company at Guihing provided the much needed support of sugarcane farmers. Previous management had problems on the production area, which decreased radically. The volume of sugarcane delivered to the mill plant is far below its capacity.

## **Mango Production**

Mango production is not considered as the main source of livelihood due to limited area. The products are directly delivered in to the local trade market.

## **Fisheries**

Fish production in ocean and pond areas in the Barangay has also increased over the years. Fishing activities in the Barangay is the main source of livelihood.

### **b. Situational Analysis**

1. The flood hazards at shoreline areas causing intrusion destruct the agricultural crop and destruction or loss of properties.
2. Lack of proper drainage and rip rapping/ concreting.
3. Construction of BFARMC Office.
4. Absence of technical support against Banana and Mango diseases.
5. Lack of agricultural (farm and fishing) facilities.
6. Lack of maintenance/develop fish sanctuary.
7. Limited areas for agricultural development of crops.
8. Lack of Veterinary Supplies.
9. Absence of warehouse or storage areas.

Due to insufficiency of post-harvest facilities and urgency of needs to dispose of the products, the farmers are forced to sell their products to middlemen and traders.

10. The sad state of most FMRs contributed to the low market prices, high cost of transportation and ultimately to low income of farmers.

11. Adverse effects of pollution and illegal fishing practices in the Barangay.

The quantity of fish catch is decreasing and fisherman complains of its sustainability. Even the once lucrative business of bangus fry catching is also affected. Implementation of fishery laws and regulation seemed to be lukewarm and palliative.

### **c. Goal**

To work-out and implement rational and appropriate agricultural programs geared towards optimizing production in crops, poultry and livestock and fisheries for food security, and processing for export purposes.

#### d. Objectives

1. To increase, livestock, poultry and fishery production to meet the deficiencies in food balance in livestock, poultry and fish requirements;
2. To sustain or increase production of commercial crops and graduate into processing for value added earnings;
3. To provide sufficient post-harvest facilities to arrest or minimize outflow of local products and for internal circulation;
4. To promote sustainable agricultural practices and to lessen the use of pollutive agricultural inputs;
5. To provide adequate infrastructure facilities and institutional services to support production, distribution and marketing of products;

#### e. Programs and Projects

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
1. Construction of seawall	Shoreline (Purok 1, 2 and 5 )	Construction of seawall	2013-2016	1B	CDF PDF MDF BDF Foreign Private	DPWH PEO MEO BLGU Private
2. Construction and concreting of Drainage canal	Purok 1-4 Purok 6-7	Construction and concreting of drainage canal	2013-2016	500,000.00	PDF MDF Foreign Private	DPWH
3. Construction of BFARMC Office		Construction of BFARMC Office	2013-2016	100,000.00	PDF CDF MDF BDF Private	DPWH
4. Provision of technical assistance against banana and mango disease	Purok 1-7	Seminars and trainings for prevention of banana and mango diseases	2013-2016	40,000.00	BDF MDF Private	DA
5. Agricultural Machine facilities/ Equipments, Chemicals, pesticides, fertilizers	Purok 1-7	Procurement of machines and equipments, supplies	2013-2016	100,000.00	MDF PDF CDF DA-BFAR Foreign Private	MAGRI OPAG OPAG DA-BFAR
6. Develop marine sanctuary	Mangrove area (Purok 5)	Development and protection of shoreline; installation of	2013-2016	100,000.00	PDF MDF BDF private	DENR MAGRI BLGU

		used tires				
7. Maximization of agricultural land uses (multi-cropping, inter cropping, crop rotation, multi-tiered, strip farming)	Purok 1-7	Regulate, reclassify, designate appropriate land uses	2013-2016	n/a	BLGU private	BLGU
8. Acquisition of veterinary supplies	Purok 1-7	Procurement of veterinary supplies	2013-2016	50,000.00	PDF MDF BDF private	OPAG MAGRI BLGU
9. Construction of warehouse and storage areas	Purok 1-7	Construction of warehouse and storage buildings	2013-2016	400,000.00	PDF CDF MDF BDF Private	OPAG OPAG MAGRI BLGU

## Industry

### a. Existing Situation

There's one existing banana plantation in the Barangay, a portion of Lapanday Foods Corporation. And has one (1) bakery and one (1) Cooperative (Kooperatibang Mananahi sa Camucaoan Aplaya) which sewed t-shirt, rugs and other garments.

There are available transportation, power and water support facilities within the area.

### b. Situational Analysis

1. There is no area/ location for expansion of industrial establishments.
2. Lack of capital or absence of investors.
3. Unpassable and road with muddy holes.

### c. Goal

To transform Barangay Aplaya from agricultural to agri-industrial Barangay with developed micro, small, and large enterprises that will generate employment and increase revenues in Real Property Tax(RPT).

### d. Objectives

To attract investors to allocate more funds for non-agri based environment friendly and labor intensive industries.

## e. Programs and Projects

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
1. Installation of Investment Promotion Office with mgt. structure and implement activities	Brgy.	Installed promotion office	2013-2017	100,000.00	NDF CDF PDF MDF BDF Foreign Private	DPWH DPWH PEO MEO BLGU
2. Improvement (Patching, Grading, concreting) of roads.	Brgy.	1.5 kms improved	2013-2017	10M	NDF CDF PDF MDF BDF Foreign Private	DPWH DPWH PEO MEO BLGU

## TOURISM

### a. Existing Situation

Tourism as an industry in the barangay is not yet fully developed. Places of interest by the people are the beaches from Aplaya connecting Barangay Paligue and Leling. The beach resort in Aplaya has facilities and services for day and night swimming, seminars and conferences.

The coastal area is designated as mangrove rehabilitation zones development covering 120 hectares. The implementation is anchored on the principle of People's Organization participation. The Aplaya Mangrove Growers Cooperative, with the support of the agri-based companies: the Lapanday Development Company, Lorenzo and Sons Ventures Plantation Inc., Global Fruits Plantation Management, the Academe (Hagonoy National High School, SPAMAST, Saint Michael School of Padada) the bankers, BFARMC, Bantay Dagat and other concerned government agencies.

The panoramic viewing of Mangrove beach resort at Purok 5 allows the person to oversee the whole Davao Gulf and Malalag port area.

### b. Situational Analysis

1. Undeclared and undeveloped Barangay road (From Purok 5 to Mangrove Area)
2. Lack of facilities (electrification, cottages, and safety measures equipments)
3. Absence of Barangay Tourism Development Master Plan

4. Absence of Barangay Tourism Council
5. Under developed beach resort
6. Lack of proper maintenance
7. Lack of mangrove propagules
8. Absence of motorboat patroller
9. Reactivation of Bantay Dagat
10. Insufficient water supply

**c. Goal**

To promote the development of tourist destination areas by upgrading the existing facilities and services and ultimately become one of the eco-tourism sites in the Barangay as well as in the municipality.

**d. Objectives**

1. Development of an eco-tourism site .
2. Organization and operationalization of Barangay Tourism Council.

**e. Programs/Projects**

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
1. Acquisition of Deed of Donation and Develop/ maintain the access & service road to Aplaya beach	Purok 5	Acquisition of the area for access road	2013-2017	1M	BLGU MLGU	BLGU MLGU
2. Construction of Cottages and other facilities	Coastal area	Construction of cottages and other facilities	2013-2017	2.5M	Private MLGU	Private MLGU
3. Formulation of Barangay Tourism Development Master Plan	Brgy.	Prepared the tourism plan	2013-2014	50,000.00	BLGU MLGU	BLGU MLGU
4. Organization & Strengthening of Barangay Tourism Council	Brgy.	Organization and strengthening of the tourism council	2013-2014	50,000.00	BLGU	BLGU
5. Rehabilitation and planting of mangrove in the coastal areas.	Coastal area	Planting and growing of propagules	2013-2017	250,000.00	BLGU MLGU PLGU NGO Private	BLGU MLGU PLGU NGO Private

6. Assignment of Beach caretaker	Brgy.	Assigned personnel	2013-2017	300,000.00	BLGU MLGU	BLGU MLGU
7. Acquisition of motorboats	Brgy.	Procured motorboat	2014-2015	100,000.00	DA- BFAR	DA- BFAR
8. Reactivate Bantay Dagat	Brgy.	Reactivated the Bantay Dagat	2013-2014	50,000.00	BLGU	BLGU
9. Rehabilitation of water supply (KALAH Water System)	Brgy.	Operational water lines	2013-2016	200,000.00	BLGU MLGU PLGU	BLGU MLGU PLGU

### 3.2 SOCIAL SECTOR

#### Health

##### a. Existing Situation

The Barangay Health Center has one (1) midwife, one (1) Barangay Nutrition Scholar, one (1) BSPO and seven (7) Barangay Health Workers distributed by district.

##### b. Situational Analysis

1. The Barangay Health Center lacks medical facilities and equipments.
2. There is no maternity room.
3. Needs additional health center building for Sitio Camucan (Purok 5-7) with complete medical equipments and facilities.
4. Needs additional midwife who render her/his services daily.
5. Needs NGO's and private sector to sponsor a medical mission.
7. Needs emergency vehicle/ transportation (by land or by water).
8. Needs seminars and trainings for BHWs.

##### c. Goal

Provision of essential and quality health service delivery system as a means of achieving a quality life for all people of Aplaya.

##### d. Objectives

1. Reduce incidence of Communicable Diseases:  
Tuberculosis
  - To reduce mortality due to TB.
  - Increase Case Detection Rate
  - Increase TB Positivity Rate
  - Increase TB Cure Rate of smear (+) patients

- Increase TB Success Rate of smear (+) patients
- Increase Proportion of sputum (+); sputum (-) PTB patients

2. To provide necessary facilities for the people.

### e. Programs/Projects

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
1. Reduction on the Incidence of Communicable Diseases.	Purok 1-7	Conduct information for prevention and proper treatment	2013-2017	50,000.00	BLGU MLGU	BLGU MLGU
2. Prevention of complications from non-communicable diseases	Purok 1-7	Conduct information for prevention and proper treatment	2013-2017	50,000.00	BLGU MLGU	BLGU MLGU
3. Construction of additional health center.	Purok 5-7	Constructed the building	2013-2017	500,000.00	DOH CDF	DOH DPWH
4. Acquisition of health facilities and equipments	Brgy.	Procured health facilities and equipments	2013-2017	250,000.00	CDF DOH	PHO DOH
5. Acquisition of medical vehicle.	Brgy.	Procured medical vehicle	2014-2017	200,000.00	BLGU	BLGU
6. Conduct of medical mission	Brgy.	Provided check-ups and medicines	2013-2014	250,000.00	NGO MLGU Private	NGO MHO Private

## Social Welfare

### a. Existing Situation

The Social Welfare organizations and instrumentalities present in the Barangay maybe government or privately initiated as follows:

1. Barangay Women Association
2. Barangay Senior Citizens Association
3. Barangay Nutrition Committee
4. Barangay Council for the Protection of Children
5. Barangay Disaster Coordinating Council
6. Day Care Services Parents Group

### b. Situational Analysis

1. Absence of Senior Citizens center.
2. Absence of center for disabled people.
3. Renovation for Day Care Center.
4. Presence of Child Labor

**c. Goal**

To uplift the living conditions of the distressed and disadvantaged individuals, families, groups and communities for them to become self-reliant and active participants in barangay development.

**d. Objectives**

1. Care, protect and rehabilitate the socially disadvantaged constituents for effective social functioning
2. To provide social welfare service package to clientele on the basis of their needs.
3. To strengthen the programs towards the total development and protection of children
4. To initiate measures that will improve the livelihood and economic condition of the citizens in the community.
5. To enable greater participation of women in the Barangay development.

**e. Programs and Projects**

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
1. Construction of Senior Citizens center	Brgy.	Construction of the building	2014-2015	500,000.00	CDF DSWD	DPWH DSWD
2. Construction of center for disabled person	Brgy.	Construction of the building	2016-2017	500,000.00	CDF DSWD	CDF DSWD
3. Family and Community Welfare Program	Brgy.	Provided livelihood assistance projects	2013-2017	500,000.00	DSWD MLGU	DSWD MLGU
4. Women's Welfare Program	Brgy.	Provided livelihood assistance projects	2013-2017	500,000.00	DSWD MLGU	DSWD MLGU
5. Barangay Nutrition Program	Brgy.	Conducted mothers class; provided	2013-2017	250,000.00	BLGU MLGU	BLGU MSWD

		financial incentives to BNS				
6.Repair and rehab of Daycare Center	Brgy.	Repaired and rehab the building	2013-2014	100,000.00	BLGU MLGU	BLGU MSWD
7. Child and Youth Welfare Program	Brgy.	Information campaign and conduct sports to prevent child labor and youth delinquents	2013-2017	50,000.00	BLGU MLGU	BLGU MLGU

## **Sports and Recreation**

### **a. Existing Situation**

The most common sports and recreation facilities existing in the Barangay is the open basketball cum volleyball courts. There is also one (1) mini-gymnasium used as covered court for basketball and volleyball aside from cultural presentations in the Barangay. There are also two open courts located in purok 5 and purok 7.

### **b. Situational Analysis**

1. Lack of Sports facilities and equipments.
2. Absence of organization of sports council.
3. Absence of mini-gym or covered court in Purok 5 and Purok 7.
4. There is no Youth Center where in they can conduct meetings and spend time together.
5. Lack of children's facilities and playground.
6. Lack of trainings and seminars for the out-of-school youth.
7. Lack of Public Libraries

### **c. Goal**

Ensure the optimum utilization of the Barangay Human Resources into healthy, dynamic and economically productive constituents through maximized and rationalized use of leisure time and recreation.

### **d. Objectives**

- a. To conduct regular sports activities and competitions to start from the purok level.

- b. To provide basic sports and recreation facilities in every purok in the Barangay.
- c. To provide sufficient funding allocation for the acquisition of sports equipment in every purok in the Barangay.
- d. To organize a Barangay sports council to oversee the implementation of sports development.
- e. To encourage the children and youth to love sports and avoid DRUGS.

**e.Programs/Projects/Activities**

<b>PPAs</b>	<b>Loca tion</b>	<b>Description</b>	<b>Time Frame</b>	<b>Cost</b>	<b>Fund Source</b>	<b>Imple menting Agency</b>
1.Acquisition of Sports facilities and equipments.	Purok 1-7	Balls (basketball and volleyball) pingpong boards, badminton racket and other sports equipments	2013-2017	100,000.00	BLGU MLGU PLGU	BLGU MLGU PLGU
2 Construction of mini-gymnasium for purok 5-7.	Purok 7	Construction of mini-gymnasium	2014-2017	2M	CDF PLGU	DPWH PEO
3. Construction of children's facilities and playground.	Aplaya	Construction of children's playground	2013-2017	100,000.00	DEPED MLGU PLGU	DEPED MLGU PLGU
4. Construction of Youth Center or public library.	Aplaya	Construction of the Youth Center or public library	2013-2017	500,000.00	DSWD CDF PLGU	DPWH DPWH PEO
5. Conduct trainings and seminars for the youth.	Purok 1-7	Anti-drug seminar, Rights of children, livelihood workshop	2013-2017	50,000.00	BLGU MLGU	BLGU MSWD

**Peace and Order**

a. Existing Situation

The Barangay consists of twenty(20) barangay Tanods. There is no army detachment or other military service personnel assigned in the barangay. Aside from PNP Officers who have their foot patrol with the barangay Tanod, the agro-industrial company (Lapanday Foods Corp.) maintained their respective private security force.

## b. Situational Analysis

1. Absence of peace and order facilities.
2. Lack of trainings and seminars.

## c. Goal

To increase the capability of protective services in the barangay.

## d. Objectives

- a. To activate and make functional existing community volunteer groups;
- b. To provide needed facilities and services for community's protection.

## e. Programs/Projects

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
1. Acquisition of peace and order facilities.	Aplaya	Flashlight, Uniforms, combat shoes probaton, bicycles, whistle.	2013-2016	50,000.00	PDF MDF BDF private sectors	PEO MEO BLGU Private
2. Training and Seminar to all Barangay Peacekeepers.	Aplaya	Fire drill and disaster preparedness	2013-2016	10,000.00	PDF MDF BDF private sectors	PLGU (PNP, DILG, Red Cross)

## 3.3 INFRASTRUCTURE SECTOR

### Transportation

#### a. Existing Situation

Aplaya has a population of 2628.

The inventory of road network in the barangay from the Municipal Planning and Development Office showed a total of seven(7) kilometers. This is broken down into 3.5 kilometers of provincial roads and 3.5 kilometers of barangay roads.

The roads require upgrading and improvement, particularly the provincial and barangay roads. The presence of sugar mill in Guihing require the upgrading of all the

provincial and barangay roads considering the sugarcane haulers that use these facilities particularly during the milling season.

**Table No. \_\_\_\_\_ Inventory of Public Modes of Transportation**  
Barangay Aplaya, Hagonoy, Davao del Sur

Type	Number
<b>A. Land</b>	
1. Motorcycle	98
2. Tricycles /Trimotor	26
3. Pedicab	3
4. Multicab	3

Source: Barangay Survey, Year \_\_\_\_\_

Motorcycles are the dominating transport vehicle used by the people as their means of transportation, followed by tricycles. The least number of transportation means are the pedicab and the multicab.

#### **b. Situational Analysis**

1. Road rehabilitation
2. Absence of hanging Bridge connecting Balik-balik to Aplaya
3. Absence of barangay site/relocation area
5. Construction of high school building.
6. Rehabilitation/Repair of Barangay Gymnasium
7. Needs additional Day Care Center
8. Construction of Fish Port in Purok 2 (along seashore line)

#### **c. Goal**

To provide effective and efficient transportation support facilities for the over-all development of the barangay.

#### **d. Objective**

To upgrade, rehabilitate and open new roads to improve road network linking the barangay.

#### **e. Programs/Projects**

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
Concreting of roads	Brgy.	Concreting of roads	2013-2017	7.5M	CDF PDF	DPWH PEO

Repair and rehab of roads	Brgy.	Patching and motorgrading of roads	2013-2017	1M	BLGU PLGU MLGU	BLGU PLGU MLGU
Bridge Construction	Balicbalic to Aplaya	Construction of Hanging Bridge	2014-2015	1M	CDF PLGU	DPWH PEO
Acquisition of Barangay Site/Relocation Area	Brgy.	Acquisition of Barangay Site/Relocation Area	2013-2017	500,000.00	PLGU BLGU MLGU	PLGU BLGU MLGU
Construction of High School Building	Brgy.	Construction of High School Building	2013-2017	1M	DEPED PLGU CDF	DEPED PEO DPWH
Repair and rehab of the Barangay Gymnasium	Brgy.	Repair and rehab of barangay Gymnasium	2013-2017	500,000.00	MLGU PLGU	MLGU PLGU
Needs additional Day Care Center	Brgy.	Construction of Day Care Center	2013-2014	500,000.00	DSWD BLGU MLGU PLGU	DSWD BLGU MSWD PEO
Construction of Fish Port	P-2	Construction of Fish Port	2013-2017	2M	CDF PLGU	DPWH PEO

## Communications

### a. Existing Situation

The existing facilities in the municipality is provided principally by the government. There is only one (1) postal office situated in Poblacion. The post office is manned by a postmaster and letter-carrier.

Most households and individuals are using cellular/mobile phones.

Cable TV also exist in the municipality thru satellite disk and a landline connection. Landline cable made available only in Guihing.

Broadcast and print media facilities are absent in the barangay. National and local news papers are available in Digos and delivered by newsboys.

### b. Situational Analysis

- Needs computer equipments and internet provider
- Needs additional handheld radios
- Needs installation of cellsites

**c. Goal**

To establish a reliable and efficient communication facilities for the entire barangay.

**d. Objective**

To be able to provide the barangay the access to modern communications and technology towards global competitiveness.

**e. Programs and Projects**

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
Acquisition of computer units and provision of internet provider	Brgy.	Procurement of computer units and provision of internet	2013-2017	200,000.00	DOST CICT BLGU	DOST CICT BLGU
Installation of additional cell sites	Brgy.	Installed additional cellsites	2013-2017	N/A	Private	Private
Improvement of computer room	Brgy.	Improved the building	2013-2014	150,000.00	BLGU	BLGU

**Water**

**a. Existing Situation**

The most common sources of water supply in the barangays for households are the Level I or point sources. A total of 589 shallow wells and 397 deep wells were installed in the barangay.

Table No. \_\_\_\_ shows the relative household population being served by the types of water sources in the barangay.

**Table No. \_\_\_\_ Level I System**  
Barangay Aplaya, Hagonoy, Davao del Sur

Purok	Deep Well			Shallow Well		
	Number	HHs Population Served		Number	HHs Population Served	
		No.	%		No.	%
1						
2						
3						
4						
5						

6						
7						
<b>TOTAL</b>						

Source: Barangay Survey, Year \_\_\_\_\_

**Table No. \_\_\_\_.** Number of Connections and Average Water consumption by Type of Consumer  
Barangay Aplaya, Hagonoy, Davao del Sur

Particulars	Type of Consumer			
	Domestic	Commercial	Institutional	Total
Number of Connections				
Average Water Consumption (cu/m/day)				

Source: KALAHI Waterworks System, Year \_\_\_\_

### b.Situational Analysis

- Needs repair of Level II Waterworks System
- Needs expansion of KALAHI Waterworks System
- Repair and Maintenance of Level I Facilities

### c. Goal

To ensure the provision of sufficient, safe and potable water supply for the entire barangay.

### d. Objective

To be able to distribute sufficient water supply services to the barangay by the end of the planning period 2017.

### e. Programs/Projects

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
Repair of Level II Water System	Brgy.	Repair and maintenance of Level II Water System	2013-2017	500,000.00	CDF PLGU	DPWH PEO
Expansion of Service Area of KALAHI Waterworks System	Brgy.	Expansion of pipe distribution lines	2013-2017	500,000.00	BLGU MLGU PLGU	BLGU MLGU PLGU
Repair/ Maintenance of Level I Facilities	Brgy.	Replacement of damaged parts	2013-2017	50,000.00	BLGU MLGU PLGU	BLGU MLGU PLGU

## Power

### a. Existing Situation

The power needs of the municipality is supplied by the Davao del Sur Electric Cooperative, Incorporated based at Cogon, Digos, Davao del Sur.

To date, the barangay is already energized, the puroks are either partially or fully served. Table No. \_\_\_\_ shows that out of the \_\_\_\_ households, \_\_\_\_ households were energized by electric power equivalent to \_\_\_\_%. Remaining households used kerosene and LPG for lighting purposes. Most of the households used wood/bamboo as kind of fuel used for cooking representing \_\_\_\_ households or \_\_\_\_% of the total number of households. Only \_\_\_\_ households \_\_\_\_% used electricity for cooking. (see Table No. \_\_\_\_)

**Table No. \_\_\_\_.** Household by Type of Fuel Used for Lighting  
Barangay Aplaya, Hagonoy, Davao del Sur

Type of Fuel Used	Number of Households	Percentage (%)
Electricity		
Kerosene		
LPG		
Oil		
Other		
<b>TOTAL</b>		100.00

Source: Barangay Survey, Year \_\_\_\_

**Table No. \_\_\_\_.** Household by Kind of Fuel Used for Cooking  
Barangay Aplaya, Hagonoy, Davao del Sur

Type of Fuel Used	Number of Households	Percentage (%)
Electricity		
Kerosene		
LPG		
Charcoal		
Wood/Bamboo		
Others		
None		
<b>TOTAL</b>		

Source: Barangay Survey, Year \_\_\_\_

### c. Situational Analysis

- Some remote sitios and puroks need power lines
- Needs financial assistance due to the increasing costs of power connection

### c. Goal

To spread the benefit of electricity to the people in the remote puroks so as to induce development take-off as well as attract investors.

### d. Objectives

1. To be able to expand the power lateral lines
2. To provide and maintain electric posts and streetlights.
3. To maintain and replace damaged units/accessories of the existing streetlights.

### e. Programs/Projects

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
Expansion of power lateral lines	Brgy.	Expansion of power lateral lines	2013-2017	1M	NEA DASU RECO	NEA DASU RECO
Provision and maintainance of electric posts and streetlights	Brgy.	Provided and maintained the electric posts and streetlights	2013-2017	1M	NEA DASU RECO	NEA DASU RECO
Maintainance and replacement of damaged units/accessories of the existing streetlights.	Brgy.	Replacement of damaged units/accessories of the existing streetlights.	2013-2017	50,000.00	NEA DASU RECO BLGU MLGU	NEA DASU RECO BLGU MLGU

## Drainage and Sewerage

### a. Existing Situation

Drainage facilities of the Barangay are mostly along the riverbank of Padada River particularly in areas where fishponds are present as they are also used as irrigation canals, unlike in Purok 5-7(Sitio Camucaan) no proper drainage.

### b. Situational Analysis

- Clogged drainage system due to indiscriminate disposal of households wastes such as plastics and other trash.
- No proper drainage in Puroks 5-7

### c. Goal

To have an efficient drainage system in the barangay.

### d. Objectives

1. To evaluate the existing drainage system and come up with a technical plan to mitigate drainage problems.
2. To formulate and implement proper drainage maintenance regimen.
3. To educate the residents on the proper sanitation and clearing of drainage

### e. Programs/Projects

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
Drainage Inventory	Brgy.	Evaluation and prepared the drainage system	2013-2014	20,000.00	BLGU	BLGU
Maintenance of Drainage System	Brgy.	Declogging and desilting of canals	2013-2014	250,000.00	BLGU MLGU	BLGU MLGU
Concrete lining/ riprap of drainage system	Brgy.	Concreting of canals or riprapping of canals	2013-2014	500,000.00	BLGU MLGU PLGU	BLGU MLGU PLGU

## 3.4 Environmental Sector

### Solid Waste Management

#### a. Existing Situation

In our barangay the usual solid wastes disposal is dumping in the compost pit and the households partially practiced the segregation of degradable and biodegradable. The biodegradable /recyclable wastes are separated for they can be sold.

#### b. Situational Analysis

- Lack of Material Recovery Facility for the toxic and non-degradable wastes which were not sold.
- Lack of proper waste segregation
- No solid waste management plan

**c. Goal**

Ensure the proper waste disposal management system and regular garbage collection.

**d. Objectives**

- To formulate waste management plan and implement proper segregation and disposal
- To install Material Recovery Facility

**e. Programs/Projects**

PPAs	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
Formulation of the Barangay Solid Waste Management Plan	Brgy.	Formulated the Solid Waste Management Plan	2013-2014	50,000.00	BLGU MLGU	BLGU MLGU
Construction of Material Recovery Facility	Brgy.	Construction of Material Recovery Facility	2013-2017	50,000.00	BLGU	BLGU

**Riverbank Protection and Control**

**a. Existing Situation**

The Padada (Guihing River) going to Davao Gulf passes Barangay Aplaya which is now scouring and widening and even encroached private property lines and change the water course. Scouring and erosion of riverbanks heightened the siltation of the river.

**b. Situational Analysis**

Continuous scouring and siltation of riverbanks

**c. Goal**

To install proper control and protection of riverbanks

**d. Objectives**

To establish protection and stabilization control of the riverbanks.

#### e. Programs/Projects

PPA's	Location	Description	Time Frame	Cost	Fund Source	Implementing Agency
Environmental protection and urban greening	River side	Conduct Tree planting activity	2013-2017	50,000.00	BLGU MLGU DENR	BLGU MLGU DENR
Education information campaign	Schools, Barangay Assembly	Conduct information education campaign	2013-2017	50,000.00	BLGU MLGU	BLGU MLGU

#### Coastal Management

##### a. Existing Situation

The function of mangroves for marine habitat is very important thus needs to be preserved, conserved and protected. Fish catch and gleaning activities are abundant on the seashore.

##### b. Situational Analysis

- Unregulated illegal cutting of mangroves
- Needs rehabilitation of mangrove trees
- Needs to strengthen BFARMC
- Needs to register the fisherfolks
- Needs to mobilize Bantay Dagat and conduct of regular bantay dagat patrol

##### c. Goal

To preserve and protect the stability, productivity and sustainability of coastal and marine system.

##### d. Objectives

- To enhance the capabilities of BFARMC and Bantay Dagat
- To utilize the designated area for mangrove rehabilitation
- To promote the coastal mangrove area as socio-economic tourism destination

**e. Programs/Projects**

<b>PPA's</b>	<b>Location</b>	<b>Description</b>	<b>Time Frame</b>	<b>Cost</b>	<b>Fund Source</b>	<b>Implementing Agency</b>
Mangrove Tree Planting	Tubo2x	Conduct of Mangrove Tree Planting Activity	2013-2017	100,000.00	BLGU MLGU PLGU NGOs Private	BLGU MLGU PLGU NGOs Private
Education information campaign	Schools, Barangay Assemblies	Conduct of information education campaign	2013-2017	50,000.00	BLGU MLGU	BLGU MLGU
Formulation of Coastal Resource Management Plan	Barangay	Conduct trainings and workshop	2013-2015	90,000.00	BLGU MLGU PLGU	BLGU MLGU PLGU
Shoreline Protection and Development	Coastal Area	Installation of used tires as buffers, clearing of aroma branches, installation of flower boxes	2013-2017	200,000.00	BLGU MLGU PLGU	BLGU MLGU PLGU
Socio-Economic Tourism Promotion	Coastal area	Construction of Board Walk	2013-2017	1M	PLGU DOT	PLGU DOT
Repair and maintenance of facilities	Mangrove area	Repaired training center, cottages, comfort rooms	2013-2017	250,000.00	BLGU MLGU PLGU	BLGU MLGU PLGU