



# ENVIRONMENTAL COMPLIANCE AND MINING SUSTAINABILITY

## THE TOLEDO CITY EXPERIENCE

Presentor :

**AMADOR V. CAVAN**  
City Environment and Natural Resources Officer

# GEOGRAPHICAL LOCATION



- Located at the western coast of Cebu Province (3<sup>rd</sup> District of Cebu Province)
- 3<sup>rd</sup> Class city
- With 38 barangays
- 207,314 population (census)
- Land area of 21,628 hectares
- Revenue : P1.8 Billion (2020)



# TOLEDO CITY IS KNOWN AS A POWER CITY BECAUSE OF THE PRESENCE OF BIG POWER COMPANIES :



**cebu energy**  
development corp.



Therma Visayas





# TOLEDO SOLAR POWER FARM- CITI-CORE



**CEBU III ELECTRIC COOPERATIVE, INC.**  
We serve power for progress





TOLEDO IS ALSO POPULARLY KNOWN AS THE COPPER CITY BECAUSE OF ATLAS MINING/CARMEN COPPER CORPORATION



ONCE THE BIGGEST COPPER MINE IN ASIA



THE JOYFUL CITY

Toledo City 

HINULAWAN FESTIVAL

PASIGARBO SA SUGBO '21

TOLEDO CITY  
HINULAWAN FESTIVAL '21

2ND PLACE

# VISION

- ▶ THE CENTER FOR CLEAN AND SUSTAINABLE POWER GENERATION, COMPETITIVE TRADE & INDUSTRY, QUALITY EDUCATION AND TOURISM IN THE WEST COAST OF CEBU WITH A LIVABLE, BALANCED AND DISASTER RESILIENT ENVIRONMENT THROUGH AN EFFICIENT AND TRANSPARENT GOVERNANCE WITH A GOD-FEARING, HEALTHY, JOYFUL AND DISCIPLINED VIBRANT COMMUNITY

## ▶ MISSION

1. TO PROMOTE AGRO-INDUSTRIAL DEVELOPMENT THAT IS ENVIRONMENT FRIENDLY
2. TO DEVELOP TOLEDO CITY TO BE COMMERCIAL TRADING CENTER OF CEBU WEST
3. TO MAKE THE CITY THE ACADEMIC CENTER IN THE WESTERN COAST OF CEBU
4. TO DEVELOP A HIGHLY PROFESSIONALIZED, TRANSPARENT AND GOD-FEARING OFFICIALS AND EMPLOYEES COMMITTED TO DELIVER EFFICIENT AND EFFECTIVE SERVICE TO THE TOLEDONHONS
5. TO HAVE THE POLITICAL WILL AND SINCERITY TO IMPLEMENT ALL PLANS, POLICIES AND ORDINANCES OF THE PEOPLE'S ASPIRATIONS IN THE CONTEXT OF PARTICIPATORY GOVERNANCE
6. TO PROMOTE SAFE AND LIVABLE COMMUNITY



# TOLEDO CITY AS A ROLE MODEL FOR SUSTAINABLE DEVELOPMENT HAS TO BALANCE ECONOMY AND ENVIRONMENT





# ENVIRONMENTAL COMPLIANCE AND SUSTAINABILITY MEASURES

- ▶ FORMULATED THE 10- YEAR SOLID WASTES MANAGEMENT PLAN WHICH WAS APPROVED BY THE NSWMC ON
- ▶ ENACTED AN ORDINANCE BANNING THE USE OF SINGLE USE PLASTIC
- ▶ ESTABLISHED THE PUTINGBATO SANITARY LANDFILL AND ECO-PARK WITH ECC NO., DISCHARGE PERMIT, ETC.
- ▶ HELP CREATE THE DIFFERENT MULTI-PARTITE MONITORING TEAMS FOR POWER AND MINING SECTORS
- ▶ WITH APPROVED COMPREHENSIVE LAND USE PLAN AND ON THE PROCESS OF UPDATING CRM AND FORESTLAND USE PLANS
- ▶ ENVIRONMENTAL COMPLIANCE REQUIREMENT IS PART OF THE BUSINESS PERMIT AND LICENSING
- ▶ ESTABLISH THE CONSISTENT RIDGE TO OCEAN WINNER FOR NATURE (CROWN) AWARDS FOR BARANGAYS, INDUSTRIES AND SCHOOLS



# MINING AS A PRIMARY CONTRIBUTOR TO THE ECONOMIC DEVELOPMENT OF TOLEDO CITY

## ▶ THE SCRIPTURAL PROMISE OF COPPER MINING

Deutoronomy 8:7-10” For the Lord your God is bringing you to a good land...- a land in which you eat bread without scarcity, in which you lack nothing, a LAND WHOSE STONES ARE IRON, AND OUT OF WHOSE HILLS YOU CAN DIG COPPER.



# BENEFITS AND OPPORTUNITIES IN THE MINING INDUSTRY- THE TOLEDO EXPERIENCE

- ▶ PRESENTLY CARMEN COPPER IS ONE OF PRIMARY CONTRIBUTOR TO THE ECONOMIC DEVELOPMENT OF TOLEDO CITY GIVING HUNDREDS OF MILLIONS OF PESOS IN TERMS OF LOCAL TAXATION, EXCISE TAX AND SOCIAL DEVELOPMENT PROGRAM



TOLEDO CITY IS ONE OF THE RICHEST CITY OF REGION 7 WITH AN ANNUAL INCOME OF ALMOST P3.0 billion



# CARMEN COPPER BROUGHT LIFE TO THE BARANGAYS THROUGH THE FOLLOWING :

## Access to Health Services, Health Facilities and Health Professionals

- Bringing medical care and professionals closer to the people through the Doctor to the Barangay Project and Medical Missions

- Improving the quality of health services through construction, improvement and upgrade of facilities



### Carmen Copper sends doctor to barrios; serves 3,286 indigent patients

A year after its founding, the Carmen Copper Corporation's Doctor to the Barangay Project has already benefited 3,286 indigent patients in seven barangays in Tubod City.

The Doctor to the Barangay Project (D2BP) is an initiative under Carmen Copper's Social Development and Management Program (SDMP) wherein the Company provides its communities access to health services, health facilities and health professionals. SDMP is a commitment that the firm has toward the sustained improvement in the living standards of the company's host and neighboring communities.



D2BP was launched in August 2019 with several operating centers in December 2021 after a series of barangay clinics, family visitations and community health fairs.

When these consultations are supported by the Site Doctorial Unit (SDU) of the Carmen Copper Corporation, the firm has been able to provide health services to the communities. The firm has also been able to provide health services to the communities through its various health facilities, health professionals and health services.

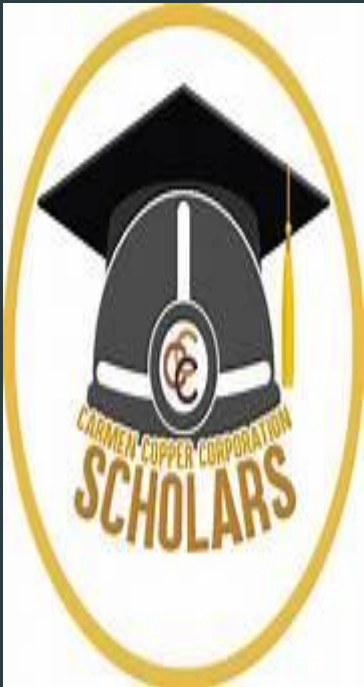
**SunStar GEBU**  
**NEIGHBORHOOD**  
**FIRM IMPROVES HOSPITAL, TO OPEN DOOR TO INDIGENTS**  
 Available from improving the quality of health services to the indigent community in Tubod City.  
 The firm has been able to provide health services to the communities through its various health facilities, health professionals and health services.



# HEALTH SERVICES



# EDUCATION, HERITAGE AND CULTURAL DEVELOPMENT



CLOCKWISE: DAS Cultural Center, Church Construction, Multipurpose Covered Court and Multipurpose Building





# INFRASTRUCTURE DEVELOPMENT

**CLOCKWISE: DAS Cultural Center, Church Construction, Multipurpose Covered Court and Multipurpose Building**





# INFRASTRUCTURE AND ENVIRONMENT



## NEIGHBORHOOD

neighborhood@sunstar.com.ph

WEDNESDAY, 17 JULY 2020

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### INFRASTRUCTURE

## Carmen Copper to open new road in Biga, Toledo

MORE than 1,600 residents of sitios Hag-it and Danawan in Barangay Biga, Toledo City will benefit from the half-kilometer road opening project that is expected to improve delivery of basic services to them.

Carmen Copper's access road project from Danawan to Hag-it costs P1.3 million.

It is a project under the company's social development and management program (SDMP), which aims to improve the living conditions of the residents and help them attain self-sufficiency.

Meanwhile, students need not walk a long distance to reach the school in the village once the road is completed; the area would also be accessible to emergency vehicles such as ambulances and fire trucks.

The project broke ground on July 1, 2019 with a simple ceremony to welcome the development in the area.

In his speech, Biga Barangay Captain Pedro H. Sepada Jr. thanked Carmen Copper for its project, which demonstrates the

mutual partnership between the barangay and the company.

Biga is a recipient of various social development projects under the company's SDMP. Carmen Copper has been building roads, a health center and senior citizen building, a multi-purpose covered court and a water system since 2009.

Some 208 pupils from Biga Elementary School, Makatol Elementary School and Biga Day Care Center benefitted from the company's regular school-based feeding program, which targets to address the undernourishment among pupils, and aims to improve their attendance and school performance in school.

In 2012, Carmen Copper donated a three-classroom building to Biga Elementary School.

It completed in 2017 a four-classroom building for the planned high school. Biga Elementary School is also a recipient of the company's annual support to the Brigada Eskwela program of the Department of Education.

Carmen Copper also granted

full scholarship to students from poor families in Biga. In 2018, scholar Mary Camille Sepada graduated and passed the board exam to become a licensed mining engineer. Her sister, Mirafior Sepada, is also a scholar currently taking up civil engineering.

The company deploys its buses to offer Biga residents free rides. More or less 100 high school students enrolled at Don Andres Soriano National High School and De La Salle Andres Soriano Memorial College also benefitted in Carmen Copper's free-ride program as each of them is able to save around P40 every day.

Carmen Copper provided jobs to the residents, while many others were able to secure employment from contractors serving the company.

The increase in local employment has also provided opportunities for small businesses to emerge and thrive.

Teresita Ubas, 60, used to be a laborer in Lapu-Lapu City, but she found her opportunity to start a small business—a sari-sari



**MAP OF NEW ROAD.** Aerial view of Carmen Copper's ongoing road opening project from Sitio Danawan to Sitio Hag-it in Barangay Biga, Toledo City. CONTRIBUTED PHOTO

store and eatery. Most of her customers are employees of Carmen Copper and its contractors.

"Because of my eatery business, I was able to put up a piggy bank and one of my children graduated with an Information Technology degree. Right now, I am supporting the studies of

grandchildren," Ubas said in buano.

Carmen Copper will continue to create values for the communities and its other stakeholders through its economic contributions and social development projects while taking care of environment. **S**



## PB commends Carmen Copper for environmental initiatives

THE Cebu Provincial Board commended Carmen Copper Corporation, a mining company based in Toledo City, for implementing a community-based reforestation project that partners with farmers in the rehabilitation of 100 hectares of mined out areas this 2020.

Third District Provincial Board Member Atty. John Ismael "Jimbo" Borgonia, chairman of the committee on environment conservation and natural resources, personally presented Sangguniang Panlalawigan Resolution No. 1711-2020 commending Carmen Copper and the eight people's organizations for this collaboration that not only promotes environmental protection and enhancement, but also provides livelihood opportunities to Cubanos.

Borgonia handed over a copy of the resolution to Carmen Copper President and CEO Roy O. Deveraturda during a simple ceremony on September 25, 2020.

To recall, Carmen Copper launched its Community-Based Reforestation Project in partnership with eight people's organizations on June 25, 2020 during the Philippine Arbor Day.

Borgonia also presented two other resolutions commending and congratulating the company for bagging environmental and labor awards in 2019.

SP Resolution No. 2773-2019 commends Carmen Copper for winning the 2019 Presidential Mineral Industry Environment Award Platinum Achievement for its best mining practices while SP Resolution No. 2772-2019 commends the company for winning the 2019 Grievance Machinery for Industrial Peace Award for its best practices in resolving workplace grievances that enhances labor-management relations and maintained industrial peace.



Third District Provincial Board Member Atty. John Ismael "Jimbo" Borgonia (left) on September 25 personally handed to Carmen Copper President and CEO Roy O. Deveraturda (right) the Cebu Provincial Board Resolutions commending Carmen Copper for its environmental initiatives and best practices in responsible mining.



The photo on the left shows a portion of the more than 250 farmers from eight people's organizations in Toledo City who were tapped to rehabilitate 100 hectares of mined-out areas this 2020 as part of Carmen Copper Corporation's intensified progressive rehabilitation onsite.



The once barren and desolated mined-out areas surrounding Biga Pit are now covered with an oasis of green growth and wildlife rich habitats. More than 687,117 seedlings of *Acacia auriculiformis*, *Acacia mangium* and other tree species now thrive in more than 412 hectares of mined-out areas in the environs of Biga and Loay.



# CHALLENGES AND PERCEIVED GAPS

## OPEN PIT VS. UNDERGROUND



*After 2020 A massive Incident  
Carmen Copper's Tatapan Open Pit*

*Landslide*

- It BURIED many WORKERS
- Landslide covered the river and brought heavy damage to residential areas that almost covered their houses

## 2. TAXATION ( RPT AND EXCISE TAX)

- ▶ PROBLEM ON REAL PROPERTY TAXATION ON MINING EQUIPMENT, BUILDINGS, LAND PROPERTY ( SOME LANDS WITHIN THE MINING AREAS ARE STILL CLASSIFIED AS AGRICULTURAL INSTEAD OF MINING OR INDUSTRIAL CLASSIFICATION)
- ▶ THE CITY TREASURER'S OFFICE HAS NO IDEA OF COPPER ORE VOLUME AND IF SOME GOLD CONTENT HAS BEEN VALUED EVEN IN SMALL QUANTITY
- ▶ DELAYED REMITTANCE OF LGU SHARE IN EXCISE TAX



### 3. ENVIRONMENTAL CHALLENGES

- ▶ MINING ACTIVITY AND EXPANSION WITH OPEN PIT INCREASES, YET REFORESTATION ON DENUDED AREAS AND OTHER ABANDONED AREAS ARE TOO SLOW. REFORESTATION IS SOMETIMES EXAGGERATED IN PAPER BUT IN REALITY THERE IS A LITTLE SUCCESS. TREE CUTTING/UPROOTING OF TREES WERE DONE, YET NOBODY ACCEPTS RESPONSIBILITIES AND JUST PINPOINTING TO SOMEBODY.
- ▶ RIVER TRIBUTARIES ON THE MINING AREA INCLUDE SAPANGDAKU RIVER WHICH DRAINS WATER TO TANON STRAIT- A PROTECTED AREA AND CUMBA ( GUINQOTAN RIVER) TO MALUBOG DAM- THE SOURCE OF INDUSTRIAL WATER SUPPLY OF CCC AND THE FISHING GROUND OF SOME FISHERFOLKS OF MALUBOG, BIGA AND BAGAKAY - WATER QUALITY MONITORING NO LONGER ADOPTED DUE TO NO - WASTES DISCHARGE OF CCC TO THE WATERBODY. YET, WITH SOME OBSERVATIONS ON THE WATER TRIBUTARIES, WATER QUALITY IS COMPROMISED AND NOBODY ACCEPTS REPONSIBILITY OR JUST PASSING THE BUCK.

## 4. THE MULTI-PARTITE MONITORING TEAM

- ▶ THERE ARE AROUND 9 BARANGAYS THAT PLAY A VITAL ROLE IN THE MINING INDUSTRY; DAS, BIGA, CANTABACO, LOAY, BAGAKAY, MEDIA ONCE, POOG, GEN. CLIMACO, CAMPO 8 WHICH ARE CONSIDERED AS IMPACT BARANGAYS. ONLY BARANGAY DAS HAS A REPRESENTATION IN THE MMT AND EVEN THE LOCAL ENVIRONMENT OFFICE IS WITHOUT REPRESENTATION.
- ▶ NGO/PO REPRESENTATION SHOULD BE A REGISTERED ORGANIZATION BY DOLE, SEC AND CDA AND DULY ACCREDITED BY THE LGU.



## 5. MINING ABANDONMENT PLAN

- ▶ SOMETIME IN THE 80” CARMEN COPPER CORPORATION FORMERLY ATLAS MINING CEASE ITS OPERATION. PREVIOUSLY, IT EMPLOYED MORE THAN 10,000 WORKERS AT ITS PEAK AND WHEN IT STOP ITS OPERATION, THE ONCE VIBRANT HOST BECAME LIKE A GHOST TOWN GREATLY DECREASING ITS REVENUE.
- ▶ THE LOCAL GOVERNMENT AT THE TIME INCLUDING THE PROVINCIAL GOVERNMENT STRONGLY SUPPORTED ITS RETURN.
- ▶ THE NATIONAL GOVERNMENT CREATED THE ATLAS COMMISSION WHICH PRIMARILY TASK TO REHABILITATE THE MINED AREAS THROUGH REVEGETATION/REFORESTATION AND EMPOWERED THE LOCAL COMMUNITY BY GIVING ALTERNATIVE LIVELIHOOD DEVELOPMENT. IT REFORESTED AROUND 1,000 HECTARES AND PROVIDED SOME PROVISIONS FOR THE PEOPLE’S ORGANIZATION TO DEVELOP THEMSELVES. WHAT HAPPEN THEN, LGU HAS NO KNOWLEDGE ABOUT IT.

WHEN MINING LIFETIME ENDS WHAT WILL HAPPENED  
TO THE MINED LAND, TO THE BARANGAYS, TO THE  
CITY?

IF THERE IS ONE, WHO MADE IT ?



- ▶ God has provided us the good land to feed, to nurture and educate our children to be good stewards of the environment and NURTURE the dignity of our fellowmen. RESPONSIBILITY WITH TRANSPARENCY, INTEGRITY AND PARTICIPATORY APPROACH WOULD SERVES AS A KEY TOWARDS MINING SUCCESS .

THANK YOU