



CBNC

2nd Quarter 2022 AEPEP



# 1.0 LAND RESOURCES

## 1.3 Bamboo Plantation

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	2 <sup>nd</sup> Quarter	As of 2 <sup>nd</sup> Quarter	Quarter	As of 2 <sup>nd</sup> Quarter	%Annual
<b>1.3.2 Maintenance of established areas</b>	<b>30</b>	<b>30</b>	<b>30</b>	<b>30 (100%)</b>	<b>30 (100%)</b>	<b>50%</b>
	<b>836,558</b>	<b>209,139.00</b>	<b>418,278</b>	<b>405,587.00 (193.93%)</b>	<b>811,619.72 (194.04%)</b>	<b>97.02%</b>
<b>No. of propagules maintained</b>	<b>6,120</b>	<b>6,120</b>	<b>6,120</b>	<b>6,120 (100%)</b>	<b>6,120 (100%)</b>	<b>50%</b>

### Remarks/Recommendations:

- 1. Justification on incurred high expense:
  - Budget exceeded due to overgrowth of grass
  - Purchased additional 2 grass cutter and 2 robin pumps for watering and fire emergency

# 1.0 LAND RESOURCES

## 1.4 Seedlings production

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	2 <sup>nd</sup> Quarter	As of 2 <sup>nd</sup> Quarter	2 <sup>nd</sup> Quarter	As 2 <sup>nd</sup> of Quarter	%Annual
No of seedlings produced	90,000	30,000	60,000	5,168 (17.23)	22,836.00 (38.06%)	25.37%
Financial (PHP)	1,350,000	450,000	900,000	310,454.00 (68.99%)	594,633.23 (66.07%)	44.05%

### Remarks/Recommendations:

- Justification for low production of seedlings in the second quarter:** Availability of wildlings/seeds varies by season, collection of planting materials was conducted last month of 2<sup>nd</sup> quarter 2022.

## 2.0 WATER RESOURCE AND QUALITY

### 2.1 Water Pollution Control Facilities

#### 2.1.1 Operation of Final Neutralization Plant

Particular	Target			Accomplishment		
	Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
No of fully operational final neutralization plant	2	2	2	2	2	
No. of days operational final neutralization plant	365	91	181	79 (86.81%)	169 (93.97%)	46.301
Financial (PHP)	1,360,357,747	339,157,685	674,588,362	493,724,817 (145.57%)	920,297,585 (136.42%)	67.65%

Remarks:

1. Incurred high expenses in 1Q and 2Q:  
*Due to the increase of Fuel, Limestone and Milk of Lime Costs.*

## 2.0 WATER RESOURCE AND QUALITY

### 2.1 Water Pollution Control Facilities

#### 2.1.2 Operation of Tailings Storage Facilities

Particular	Target			Accomplishment		
	Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
No of fully operational TSF	1	1	1	1	1	
No. of days of fully operational TSF	365	91	181	91 (100%)	181 (100%)	49.59%
Financial (PHP)	20,005,191	4,987,595	9,920,328	8,681,612 (174.06)	10,002,595.47 (100.83)	50.00%

Remarks:

1. Incurred low expense during the first quarter, **PHP 1,320,983.47** and high expense during the second quarter, **PHP 8,681,612**: Late Billing

## 2.0 WATER RESOURCE AND QUALITY

### 2.2 Water Quality Monitoring – (Effluent) and Water Bodies

Particular	Target			Accomplishment		
	Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
No. of submissions to laboratory for analysis	12	3	6	3 (100%)	6 (100%)	50%
Financial (PHP)	316,876	79,219	158,438	136,600 (172.43%)	209,680 (132.34%)	66.17%
No. of sampling materials / equipment utilized	12	3	6	3 (100%)	6 (100%)	50%
Financial (PHP)	74,300	18,575	37,150	0	0	0
No. of sampling conducted	264	66	132	66 (100%)	132 (100%)	50%
No. of parameters measured per sample	16	16	16	16 (100%)	16 (100%)	50%

#### Remarks:

1. Incurred **high expenses** in for laboratory analysis *-increase in analysis cost per parameter.*
2. Incurred **no expenses** for sampling materials / equipment *- no water sampling material/s & equipment purchased during the quarter.*

2.0 WATER RESOURCE AND QUALITY

2.2 Water Quality Monitoring – Ground Water Quality Monitoring

Particular	Target			Accomplishment		
	Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
No. of sampling conducted	24	6	12	6 (100%)	15 (125%)	62.5%
No. of parameters measured per sample	14	14	14	14 (100%)	14 (100%)	50%

## 2.0 WATER RESOURCE AND QUALITY

### 2.3 Solid Waste Management

Particular		Target			Accomplishment		
		Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
Non-Hazardous Waste Management	No. of days of waste collection	313	78	155	79 (101.28%)	156 (100.65%)	49.84%
	Financial (PHP)	12,865,000	3,205,974	6,370,846	1,551,626 (48.40%)	3,971,279.42 (62.34%)	30.87
	Amount of wastes generated (Tons)	2,600	650	1300	475 (73.08%)	1,162.9 (68.69%)	34.34%
Hazardous Waste Management	No. of Transport and Treatment	3	--	1	1 (-%)	2 (200%)	66.67%
	Financial (PHP)	2,635,000	--	878,333	1,161,401 (-%)	1,264,371.59 (143.95%)	47.98%
	Amount of wastes generated (Tons)	100	25	50	29 (116%)	51 (102%)	51%

Remarks:

1. The generated hazwaste is quarterly transported and treated as part of hazardous waste management.



## 4.0 Air Quality

### 4.1 Air Pollution Control Facilities

Particular	Target			Accomplishment		
	Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
<b>No. of fully operational Air Pollution Control Facilities Plant</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>50%</b>
<b>No. of days operational final neutralization plant</b>	<b>326</b>	<b>75</b>	<b>162</b>	<b>79 (105.32%)</b>	<b>166 (102.75%)</b>	<b>50.92%</b>
<b>Financial (PHP)</b>	<b>364,574,655</b>	<b>83,884,434</b>	<b>180,674,165</b>	<b>164,135,978 (195.67%)</b>	<b>291,034,182 (161.08%)</b>	<b>79.82%</b>

Remarks:

1. Incurred high expenses is due to increase in fuel cost particularly coal price increase.

## 4.0 Air Quality

### 4.2 Air Quality Monitoring – TSP/PM 10 Air Sampling, NOx and Sox, Acid Mist Inside Plant Site

Particular	Target			Accomplishment		
	Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
Monthly lab Cost	12	3	6	3 (100%)	6 (100%)	50%
Financial (PHP)	70,364	17,591	35,182	10,800 (61.40%)	27,000 (76.74%)	38.37%
Monthly Materials / Equipment Cost	12	3	6	3 (100%)	6 (100%)	50%
Financial (PHP)	515,479	128,870	257,739	0	0	0%
No. of sampling conducted	204	51	102	51 (100%)	102 (100%)	50%
No. of parameters measured per sample	1	1	1	1	1	50%

Remarks:

- 1. Incurred low expenses in monthly lab cost: In the early months TSP was used that has lower sampling cost than the PM10 which is now used.
- 2. Incurred no expenses in monthly materials / equipment cost: No equipment damage or that needs maintenance.

7.0 OTHERS (Administration, Compliance Management and MEPEO Operation)

7.1 MEPEO Operation

Particular	Target			Accomplishment		
	Annual	Quarter	As of Quarter	Quarter	As of Quarter	%Annual
MEPEO Operationalized	1	1	1	1	1	50%
No. of Months operationalized	12	3	6	3 (100%)	6 (100%)	50%
Financial (PHP)	1,863,681	465,920	931,841	4,116,013 (883.41%)	7,584,771.471 (813.96%)	406.98%

Remarks:

- 1. **Incurred high expenses for MEPEO Operation:** This is because in the annual budget, the cost for the Manpower Salary and Benefits was not included. Will be rectified in the next years AEPEP Projected expenditure.

# PHOTO DOCUMENTATION



Photo 1. CBNC discusses the accomplishment and compliance for the second quarter of the year 2022 during the MMT Entry Meeting



Photo 2. MMT Team Members during the 2<sup>nd</sup> Quarter 2022 Entry Meeting on August 22, 2022



# PHOTO DOCUMENTATION



Photo 3. MMT Envi Team inspects CBNC



Photo 4. CBNC briefs MMT Members on the facilities and processes utilized by the company particularly the process used to extract nickel and cobalt from Limonite Ore bodies



# PHOTO DOCUMENTATION



*Photo 5. Proper Housekeeping and well illumination observed in the CBNC Warehouse.*



*Photo 6. MMT Team Members inspects the Return water pond*



# PHOTO DOCUMENTATION



*Photo 5 and 6. MMT Team Members inspects the ongoing construction of TSF 3*



# PHOTO DOCUMENTATION



*Photo 9. MMT Inspects the dockyard of CBNC. Scraping of laterites was observed.*



*Photo 10. Pipes (upper 2) discharges treated wastewater from the plant and replenishes caustic soda, sulfuric acid and methanol used in the HPAL process.*



# PHOTO DOCUMENTATION



*Photo 12 and 13. MMT Members inspecting the 'Green' Coal Stockyard and the Coal Siltation Pond. No signage provided for the siltation pond.*



# PHOTO DOCUMENTATION



*Photo 14 and 15. TSF 2 inspection. The tailings deposits is at 79.3 masl at the time of inspection.*



# PHOTO DOCUMENTATION



*Photo 11 and 12. MMT Members inspects the Earth pond silt collector which drains the silt from the main silt collector. No signage provided.*



# PHOTO DOCUMENTATION



*Photo 16 and 17. MMT Team members inspecting the rehabilitated Tailing Storage Facility 1*