

**MMT COMPLIANCE MONITORING AND VALIDATION REPORT (CMVR) FORM  
FOR MINING INDUSTRIES  
CARMEN COPPER CORPORATION  
Barangay Don Andres Soriano, Toledo City, Cebu**

Date of Compliance Monitoring and Validation: October 19-20, 2023  
Monitoring Period Covered: Partial 4th Quarter Quarter/Semester Year 2023

**I. BASIC INFORMATION**

ECC Control No./Reference Code No.	: R07-0909-0051, R07-1012-0379 (Amended) and R07-06 12-29 0278 0120 (Amended)
Date ECC Issued	: October 8, 2008, September 16, 2011 and October 31, 2018, respectively.
MPSA Control No./Reference Code No.	: MPSA-210-2005-VII, MPSA-2008-264-VII and MPSA-307-2009-VII
Date MPSA Issued	: May 5, 2005, July 9, 2008 and December 23, 2009
Project Current Name	: Toledo Copper Mine Project
Project Name in the ECC	: CCC 25MW Thermal Power Plant Project, Atlas Mines Airport-Ilag Site Waste Rock Dump/Landfill and Toledo Copper Mine Biga Pit Tailings Storage Facility and Marcona Waste Rock Dump Development
Project Status	: Operating
Project Geographical Coordinates	: X: East Longitude 123°48'00" to 123°48'38" Y: North Latitude 10°20'00" to 10°20'30"
Proponent Name	: Carmen Copper Corporation
Proponent Contact Person/Position	: Yulo E. Perez, Chief Operating Officer
Proponent Mailing Address	: CCC Compound, Brgy. Don Andres Soriano, Toledo City
Proponent Telephone No./Fax No.	: (032) 888-1200
Proponent Email Address	: <a href="mailto:yeperetz@carmencopper.com">yeperetz@carmencopper.com</a>
MMT Contact Person/Position	: Christopher John W. Salcedo, Assistant Vice-President, SHECCS
MMT Mailing Address	: CCC Compound, Brgy. Don Andres Soriano, Toledo City
MMT Telephone No./Fax No.	: (032) 888-1200 local 4308
MMT Email Address	: <a href="mailto:cwsalcedo@carmencopper.com">cwsalcedo@carmencopper.com</a>

**II. EXECUTIVE SUMMARY OF COMPLIANCE**

Requirements		Complied?		Remarks/ECC or EPEP Condition #
		Yes	No	
Compliance with ECC Conditions/Commitments	Validity	✓		Issued ECC's still active
	Project coverage/limits/components	✓		Project coverage, limits and components are consistent as indicated in the ECC
	EMP and updates as deemed necessary	✓		<i>Separate EMB-7 validation</i>
	Regular reporting of Self-Monitoring Results by the Project Proponent	✓		Quarterly Self-Monitoring Reports are submitted online within the prescribed period.
	Other sectoral requirements mandated by other agencies to be complied with	✓		Requirements from other government agencies have been complied with by the company.
Compliance with EPEP Commitments	Implementation of Environmental Impact Control Strategies	✓		Applicable Environmental Impact Control Strategies have been implemented and maintained.
	Safety	✓		Implementations of MGB's approved Safety and Health Program is on-going.
	Rehabilitation	✓		On-going rehabilitation of mined-out and waste dumps areas identified by Mine Open Pit group.
Compliance with SDMP Commitments		✓		
Complaints Management	Complaint receiving set-up	✓		Any complaints received are being managed/acted accordingly.
	Case Investigation	✓		
	Implementation of control measures	✓		
	Communication with the complainant/public	✓		
	Complaint document	✓		
Accountability - qualified personnel are charged with the routine monitoring of the project activities in terms of education, training, knowledge and experience of the environmental team		✓		The company has an environmental group to over see all environmental related activities.
Others, please specify				

## III. PROCESS DOCUMENTATION OF ACTIVITIES UNDERTAKEN

Activities	Date Conducted	MMT Members Involved	Methodology/Other Remarks
Document Review of:			
- Compliance with ECC Conditions/Commitments			Review was conducted in-house by the Environmental Management Section.
- Compliance with EPEP & SDMP Conditions/Commitments	AEPEP Q3 -Aug. 10-11, 2023 Q4 - Oct. 19-20, 2023	CCC-MMT Members	- Please refer to the attached 3rd and 4th quarter CCC-MMT Reports.
Site Validation - Ocular	AEPEP Q3 -Aug. 10-11, 2023 Q4 - Oct. 19-20, 2023	CCC-MMT Members	- Please refer to the attached 3rd and 4th quarter CCC-MMT Reports.
Site Validation - Confirmatory Sampling (if conducted)	AEPEP Q3 -Aug. 10-11, 2023 Q4 - Oct. 19-20, 2023	CCC-MMT Members	- Results of collected samples were presented during the MRFC quarterly meeting

## IV. COMPLIANCE MONITORING RESULT AND DISCUSSIONS

## A. Compliance to Project Location and Coverage Limits (as specified in ECC and/or EPEP)

Parameter	Specification (specify if in ECC or EPEP)	with Specs?		Remarks - Description of Actual Implementation
		Yes	No	
Project Location (Indicate geographic coordinates)	A. Environmental Compliance Certificate (07 06 12-29 0278 0120 (3rd Amendment) Toledo Copper Mine Biga Pit Tailings Storage Facility and Marcona Waste Rock Dump Development Project located at Barangay Biga, Toledo City, Cebu with Geographic Coordinates; East Longitude 123°42'30" to 123°42'59" and North Latitude 10°20'37" to 10°21'44" B. ECC-RO7-1012-0379 (Amendment) Atlas Mines Airport-Ilag Site Waste Rock/Landfill Project located at Barangay Don Andres Soriano, Toledo City, Cebu with Geographic Coordinate: East Longitude 123°42' and North Latitude 10°18' C. ECC-RO7-0909-0051 CCC 25 MW Thermal Power Plant Project located at Barangay Don Andres Soriano, Toledo City, Cebu with Geographic Coordinate: East Longitude 123°44'30" to 123°42'38" and North Latitude 10°21'34" to 10°20'18"	Y		Project locations are consistent as specified in the ECC.

Project Area (ha)	<p>A. Environmental Compliance Certificate (07 06 12-29 0278 0120 (3rd Amendment) Toledo Copper Mine Biga Pit Tailings Storage Facility and Marcona Waste Rock Dump Development Project</p> <ul style="list-style-type: none"> <li>• Biga Pit TSF= 330.374 has.</li> <li>• Biga North Dike= 1.650 has.</li> <li>• MWRD= 69.080 has.</li> <li>• Pipeline for Water Relief Overflow= 9.080 has.</li> <li>• Pipeline for Recycled Water= 0.914 has.</li> <li>• Pipeline for Tailings from Carcon to BTSF= 13.500 has.</li> <li>• Pumping Station= 0.2098 has.</li> </ul> <p>B. ECC-RO7-1012-0379 (Amendment) Atlas Mines Airport-Ilag Site Waste Rock/Landfill Project</p> <ul style="list-style-type: none"> <li>• Airport Dumpsite Area= 75 has.</li> <li>• Ilag Dumpsite Area= 72 has.</li> </ul> <p>C. ECC-RO7-0909-0051 CCC 25 MW Thermal Power Plant Project</p> <ul style="list-style-type: none"> <li>• Total Area= 1,472.03 sq. meters</li> </ul>			
Capital Costs	Not applicable			
Type of Materials	Primary-Copper, Secondary-Gold and Silver	√		Mineral being mined are copper, silver and gold
Mining Method(s)	Surface Mining	√		
Production	52,000 Metric Tons per day	√		
Mill/Processing Plant	Based on EPEP	√		
Mine Life	Based on EPEP	√		
Mineral Reserves/Resources	Based on EPEP	√		
Access Transportation	Based on EPEP	√		
Power Supply	Based on EPEP	√		
Mining Equipment	Based on EPEP	√		
Workforce	Based on EPEP	√		
Development/Utilization Schedule	Based on EPEP	√		
Other Components				

B. Review and Validation of Proponent's Self-Monitoring Report - REVIEW AND VALIDATION DONE BY EMB-7

B1. Compliance to other ECC Conditions (Directions: The MMT shall check compliance of the Proponent to the conditions stipulated in the ECC)

A. Environmental Compliance Certificate (07 06 12-29 0278 0120 (3rd Amendment) Toledo Copper Mine Biga Pit Tailings Storage Facility and Marcona Waste Rock Dump Development Project

ECC Conditions	Complied?		Proof of Compliance/Remarks
	Yes	No	
The Biga Pit Tailings Storage Facility will have an impounding capacity of 213,235,123 cubic meters (DMT) or 341,176,197 metric ton of tailings at peak milling capacity of 42,000 metric tons of ore from Carmen Concentrator per day.	√		Impounding capacity of the Biga Pit is within the limits indicated in the ECC.
The Marcona Waste Rock Dump will accommodate the 92 million metric tons waste striped/mine from Carmen Pit as indicated in the submitted EIS-EPRMP documents.	√		Marcona Rock Waste Dump is for development.
Additional ECC Conditions: 1. The proponent shall ensure that all commitments, appropriate mitigating/enhancement measures and monitoring requirements especially those contained in the Environmental Impact and Management Plan (IMP and EMoP) in the Environmental Impact Statement (EIS) document, its modifications and additional information shall be instituted and strictly implemented to minimize any adverse impact of the project to the environment throughout the project implementation.	√		
2. Conduct frequent detailed site investigation which includes detailed geotechnical study, erosion and dissolution of underlying limestone, and seismic risk analysis as part of maintenance activities;	√		CCC engaged with 3rd party in conducting the Geotechnical and Hydrogeological Study in relation to the establishment of New Decant Tower and North Dike.
3. That the proponent should ensure that whatever is declared in the attached Site Development Plan (SDP) will be followed and implemented. In case of change in engineering designs, the proponent should apply an amendment of the approved ECC based on the final and approved engineering designs prior project's implementation;	√		CCC applied for integrated ECC of the 3 existing ECC's that will cover the mine to port operation.
4. The proponent should submit to this Office, together with the Compliance Monitoring Report, an inventory of the number of households (inclusive of the names of each household member) within 1-kilometer radius of the project site in tabular form. The table should provide pertinent information such as complete names of the family members, address, and estimated distance of each identified household within 1-kilometer radius from the project site, and remarks in whether these households agree or disagree with the proposed project;	√		Updates the Brgy. Bagakay's household inventory was conducted last November 2020. Household - 679 Population - 3,395
5. The operations shall conform with the following provisions: • RA 6969 (Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990) • RA 8749 (Philippine Clean Air Act of 1999) • RA 9003 (Ecological Solid Waste Management Act of 2000) • RA 9275 (Philippine Clean Water Act of 2004) • Other relevant environmental policies, rules and regulations;	√		

<p>6. Establishment of reforestation program using endemic/indigenous species to mitigate greenhouse gas (GHG) emissions of the project in line with the DENR's thrust for GHG emissions reduction programs and National Greening Program. The proponent should produce, plant, maintain, and look after the additional 51,595 seedlings in support to the Green Philippines Master Plan which will be utilized for tree planting activities. The proponent shall likewise submit an approved work and financial program (WFP) for the tree planting activities including maintenance and protection of trees planted after one (1) month from the receipt of the approved ECC as well as an affidavit of execution by the proponent for the tree planting activities. However, if tree planting activities will be conducted by the 3rd party organization, the proponent shall submit a copy of MOA between their 3rd party organizations. The timeline for tree planting should culminate in less than ten (10) years. As proof of compliance, geotagged pictures of the tree planting area and CENRO Certification should be secured and submitted to this Office accordingly;</p>	v	<p>Tree planting activities are ongoing and facilitated by the CCC Environment Department through the Reforestation Section and engagement of Peoples Organizations within the community.</p>
<p>7. That a 2' x 4' billboard containing this message: "Notice to the Public, This TOLEDO COPPER MINE BIGA PIT TAILINGS STORAGE FACILITY AND MARCONA WASTE ROCK DUMP DEVELOPMENT project of CARMEN COPPER CORPORATION with geographic coordinates 10°20'37"N Latitude to 10°20'44"N Latitude and 123°42'30"E Longitude to 123°42'59"E Longitude has been issued an Environmental Compliance Certificate (ECC Number) by the Environmental Management Bureau of the Department of Environment and Natural Resources, Region VII". The billboard must be installed at all exit points of the project facing the road to inform the general public before project implementation. A copy of the certificate shall also be posted by the proponent at the barangay bulletin board of the affected barangays within thirty (30) days upon receipt hereof. An accomplishment report which shall include picture verification of compliance to the posting of notices and the billboards shall be submitted to this Office within ninety (90) days from receipt of the ECC. The proponent shall provide copies of this approved ECC to the following government agencies, to wit: DENR-PENDRO, DENR-CENRO, DENR-LMS, DENR-FMS, DENR-MGB, DOLE, and LGUs concerned.</p>	v	<p>ECC notification Billboards were installed at strategic areas of the project site.</p>
<p><b>RESTRICTION</b> 8. The proponent shall secure a "Notice to Proceed" from this Office six (6) months from receipt of this certificate. Submission of all necessary permits from other pertinent government agencies but not limited to as stated in Annex B, such as the following: Locational Clearance, MGB clearances and permits. Tree Cutting Permit, LGU permits, and Environmental and Sanitation Permit, among others, is required; Hence, no implementation/construction shall be conducted for the said project without a Notice to Proceed from this Office; and</p>	v	<p>Notice to Proceed was secured and issued by EMB7.</p>
<p>9. No other activities should be undertaken other than what was stipulated in the submitted EPRMP-EIS document. Should there be an expansion of the project beyond the project description, construction of other structures beyond those stated in the EPRMP-EIS document; or any change in the activity, shall be made subject to a new-Environmental Impact Assessment.</p>	v	

B. ECC No. 0706 12-29 0278 0120 (2nd Amendment) Atlas Mines Tailings Disposal Facility Project located in Barangay Don Andres Soriano, Toledo City, Cebu

ECC Conditions	Complied?		Proof of Compliance/Remarks
	Yes	No	
<ul style="list-style-type: none"> <li>• Handling of Tailings:               <ul style="list-style-type: none"> <li>A. Existing Tailings Transmission Lines from Carcon to Biga Pit – Three point Seven Kilometers (3.7)</li> <li>B. Emergency Tailings Pond – Zero point Seventy One (0.71) hectares</li> </ul> </li> <li>• Storage of Tailings:               <ul style="list-style-type: none"> <li>A. Biga Pit</li> </ul> </li> <li>• Handling/Treatment of Water Overflow:               <ul style="list-style-type: none"> <li>A. Lime Injection Plant</li> <li>B. Decant Tower</li> <li>C. Wastewater Treatment Facilities (WTF) consisting of series of Twelve (12) units settling pond</li> <li>D. Pipeline for Water Relief Overflow:                   <ul style="list-style-type: none"> <li>- Pipeline through Bigacon Tunnel Conveyor Zero point Twenty Three (0.23) hectares</li> <li>- Bigacon to Malubog Dam- 3 hectares</li> <li>- Malubog Dam to Sedimentation Pond- 5.85 hectares</li> </ul> </li> <li>E. Recycling and disposal of water overflow:                   <ul style="list-style-type: none"> <li>- Sigpit Sedimentation Pond- 1.28 hectares</li> </ul> </li> <li>F. Sigpit Dam for disposal point of water overflow</li> <li>G. Pipeline for recycled water leading to the existing water tank with a storage capacity of Fifty Thousand Four Hundred Fifty Six (50,456) cubic meters</li> </ul> </li> </ul>	v		Impounding capacity of the Biga Pit is within the limits indicated in the ECC.
Additional Facilities: Waste Rock Dump Area 1 and 2 provided with Erosion and Sedimentation Control Infrastructure (e.g. Check Dam, Dikes Embankment, etc.) covering an area of One Hundred Thirty Four point Ninety (134.90) hectares and One Hundred Twenty Two point Fifty Nine (122.59) hectares.	v		
Amended ECC Conditions:			
1. The proponent shall ensure that all commitments, appropriate mitigating/enhancement measures and monitoring requirements especially those contained in the previous and updated Environmental Management Plan in the EPRMP-EIS Document, its modification and additional information as approved by the EMD during the EIA Report Review shall be instituted and strictly implemented throughout the project implementation.	v		
2. Project proponent should implement all the recommended mitigating measures as stated in the updated Environmental Management Plan prior to project activities identified that contribute significant impact to the surrounding/immediate vicinity of the project site.	v		
Previous ECC Conditions:			
1. The proponent (Carmen Copper Corporation) shall ensure that all commitments, appropriate mitigating measures/enhancement measures and monitoring requirements especially those contained in the IMP and EMMoP in the IEE Report/Annex C, its modifications and additional information as approved by the EMB during the IEE Report review shall be instituted and strictly implemented throughout the project implementation.	v		
2. Project proponent should implement all the recommended mitigating measures as stated in updated Impact Management Plan (IMP) prior to project activities identified that contribute significant impact to the surrounding/immediate vicinity of the project site.	v		

3. The proponent shall make available appropriate budget based on the project schedule as indicated in the submitted updated Impact Management Plan (IMP) Summary for the implementation of the project and proposed mitigating measures in the construction and operational phase. An accomplishment report on the implemented mitigating measures and the corresponding cost of the IMP activities shall be submitted to this Office on a quarterly basis for monitoring using CMR format.	√		Budget is included in the company's Annual EPEP programs and activities.
4. That Biga Pit Tailings Storage Facility (TSF) shall be automatically stop its operation when it will reach its impounding capacity of Seventy Five (75) Million Dry Metric Tons.	√		
5. The proponent shall establish additional nursery program for the seedling production of One Million Eight Thousand Six Hundred Twenty Five (1,008,625) in support to the Green Philippines Master Plan which will be utilized for tree planting activities. Planting of appropriate tree species shall be implemented within the project area or any potential area as planned to serve as buffer and to compensate the removal of vegetation caused by project implementation. The planted trees shall be maintained throughout the lifespan of the project.	√		The company continuously produced and planted and/or established new plantation annually based on the identified/declared by the Mine Open Pit group within and outside company premises.
6. That fish monitoring activities in the receiving river and coastal/sea areas of the project shall be added in the monitoring activities of the MMT which will be included in the submission of CMR and CMVR reports		√	No fish monitoring was conducted by the MMT group since there was no discharge from the CCC operation. However, the group always include on its observation with regards the presence of different water fish available.
7. The proponent shall set-aside adequate Environmental Guarantee Fund (EGF).	√		In lieu of EGF, the company has a four active accounts as follows: RCF, MTF, ETF and FMRDF which are under the Contingency Liability and Rehabilitation Fund (CLRF) this is equivalent to EMF and EGF as per Memorandum of Agreement (MOA) signed by two parties EMB and MGB (see Annex A)
8. Submit an Annual Project Environmental Risk Categorization and Climate Change Adaptation Report	√		PEMAPS was submitted to EMB7.
9. Undertake IEC Program	√		
10. That all mitigating/enhancement and rehabilitating measures enumerated in the construction and operation phase of the submitted Environmental Management Plan (EMP) and specified in this Certificate should be strictly implemented.	√		Clarification letter was sent to EMB7 for clarifications of certain mitigating measures.
11. That the proponent should make available budget of Two Hundred Million (Php 200,000,000.00) Pesos based on the project schedule as indicated in the EMP summary for the implementation of the project and proposed mitigating measures and corresponding cost of the EMP activities shall be submitted to this office on a quarterly basis for monitoring purposes.	√		All engineering intervention that will be developed, constructed and or procured will be included in the Annual EPEP.
12. That no other activities should be undertaken other than what were stipulated in the submitted PEPRMP document.	√		Activities undertaken in the project site are consistent to the activities stipulated in the IEER Document.
13. That the proponent should allow entry of EMB-7 field personnel into the project site at all times to conduct tangible monitoring and to validate project's compliance stipulated therein.	√		
14. That in case of abandonment, the proponent shall notify this Office three (3) months prior to the abandonment and submit to therewith their abandonment plan	√		
15. That a Permit to Operate for air pollution source equipment and its corresponding pollution control device should be secured.	√		

16. Provide effective solid waste management	√	• Ongoing implementation of CCC OCP 001 – Waste Management. • CCC residual waste were transported to Toledo Landfill area at Brgy. Puting Bato, Toledo City
17. Observe Solid Waste Management Plan	√	
18. That effluent from the WTF should conform to the standards set forth by Clean Water Act.	√	
19. Secure Discharge Permit (D/P)	√	
20. Set-up an Environmental Unit	√	
21. Planting of appropriate tree species	√	
22. Installation of ECC Billboard	√	
23. Comply all necessary permits from other government agencies	√	
24. Maintain high level of safety and efficiency in all stages of the project implementation	√	
25. Comply all the recommendations of the EIA Review Committee: 1. Relocation and adequate compensation of Sigpit Creek and Onggom Creek Residents. 2. Update rainfall data given in the submitted EPRMP document.	√	• Monthly submission of rainfall data to MGB 7. • Sigpit Creek Residents especially in Sitio Hayunan were properly compensated depending on their classification (informal settler or land owner). Activity on Onggom Creek was not implemented.
26. Commitment that both quantity and quality of the water needed by NIA Is not affected.	√	• Water Quality Monitoring done by the CCC Environment Department. • NIA Dam is not operational; damaged by the typhoon and illegal SAG activity.

C. ECC-RO7-1012-0379 (Amendment) Atlas Mines Airport-Ilag Site Waste Rock/Landfill Project located at Barangay Don Andres Soriano, Toledo City, Cebu

ECC Conditions	Complied?		Proof of Compliance/Remarks
	Yes	No	
<b>Airport Waste Dump Area:</b> Rock waste dump area with an elevation of Four Hundred Five (405) meter having a Top Area of Fourteen point Zero Sixty Nine (14.069) hectares, and a Bottom Area of Seventy Three Thousand Nine Hundred Twenty Eight (73,928) hectares. • Road Networks • Barrier Bund • Circumferential Drainage System • Two (2) Units Settling Ponds	√		Impounding capacity of the Biga Pit is within the limits indicated in the ECC.
<b>Ilag Waste Dump Area:</b> RWD area with an elevation of Four Hundred Five (405) meter having a Top Area of Twenty Eight point Three Thousand Seventy Five (28.3075) hectares, and a bottom area of Twenty Eight Sixty Six point Eight Thousand Six Hundred Fifteen (2866.8615) hectares. • Road Networks • Barrier Bund • Circumferential Drainage System • One (1) Unit Settling Pond	√		
<b>ECC Condition: Amended</b> Seedlings not less than Three Hundred Sixty Seven Thousand (367,000) pieces shall be established in a nursery based on the approved Work and Financial Program and Gantt Chart for the seedling production and tree planting and growing activities to any potential area to be submitted within three (3) months upon receipt thereof as basis for compliance monitoring to this Office. Colored pictures showing the successful nursery and tree plantation area shall be submitted to this Office every six (6) months thereafter upon the release of the ECC. The planted trees shall be maintained throughout the lifespan of the project.	√		
<b>ECC-RO7-1012-0379 Atlas Mines Airport Site Waste Rock Dump/Landfill Project:</b> 1. The proponent (Carmen Copper Corporation) shall ensure that all commitments, appropriate mitigating measures/enhancement measures and monitoring requirements especially those contained in the IMP and EMMoP in the IEE Report/Annex C, its modifications and additional information as approved by the EMB during the IEE Report review shall be instituted and strictly implemented throughout the project implementation.	√		



2. Project proponent Shall implement all the mitigating measures as stated in the Impact Management Plan (IMP) prior to project implementation of all activities identified that contribute significant impact to the surrounding/ immediate vicinity of the project site.	v		
3. Seedlings not less than One Hundred Eighty Seven Thousand Five Hundred (187,500) pieces shall be established in a nursery based on the approved Work and Financial Program and Gantt Chart for the seedling production and tree planting and growing activities to any potential area to be submitted within three (3) months upon receipt thereof as basis for compliance monitoring to this Office. Colored pictures showing the successful nursery and tree plantation area shall be submitted to this Office every six (6) months thereafter upon the release of the ECC. The planted trees shall be maintained throughout the lifespan of the project.	v		
4. The proponent shall undertake continuing Information, Education and Communication (IEC) program to explain to all stakeholders the final approved EMMoP and the conditions of this ECC as well as an updated of the project status including any significant changes on the EMMoP and overall performance against ECC.	v		
5. Submit an Abandonment Plan to the EMB at least one (1) year prior to project abandonment. The plan shall include rehabilitation measures/clean up, remediation of areas affected by the project and proposed alternatives projects in the area.	v		
6. Submit an updated Project Environmental Risk Categorization prior to implementation or as soon as or after the final siting and design of facilities have been decided which ever comes earlier.	v		
7. The proponents operations shall conform with the provision of RA 6969 (Toxic Substances and Hazardous Waste Control Act of 1990), RA 9003 (Act providing for an Ecological Solid Waste Management Program), RA 9275 (Philippine Clean Water Act of 2004), RA 8749 (Philippine Clean Air Act of 1990)	v		
8. The proponent shall proceed with project implementation after securing all applicable permits from other concerned government agencies such as but not limited to the following; Engineering and Geo-Hazard and Geological Assessment Report (EGGAR), DOLE, FMS, LMS, MGB. The proponent should proceed project implementation after securing all applicable permits from other pertinent government agencies such as but not limited to the following: Building Permit, Environmental and Sanitation Permit and ; Thus, this ECC becomes valid only after all necessary permits have been secured prior to project implementation.	v		
9. An Environmental Unit (EU) or its equivalent shall be established to handle the environmental related aspects of the projects.	v		CCC has Environment Department is incharge in handling environmental related activities, such as but not limited to, conducting Environmental Quality Monitoring, IEC and Environmental Audits/Inspection.
10. That a 2'x4' billboard containing this message: " Notice to the Public, This project (Title of the project) of (Name of the proponent) has been issued and Environmental Compliance Certificate (ECC Number) by the Environmental Management Bureau of the Department of Environment and Natural Resources, Region VII.	v		Installed appropriate billboards in the applicable areas.

11. The existing MMT should include the Waste Rock Dump Project Area as part of the monitoring sites and to establish additional water sampling station after the settling pond of Ilog River.	✓		
12. Proponent should allow entry of EMB-7 field personnel into the project site at all times to conduct tangible monitoring and to validate project's compliance to the ECC conditions stipulated therein.	✓		
13. No other activities should be undertaken other than what was stipulated in the submitted IEER document. Should there be an expansion of the project beyond the project description, construction of other structures beyond those stated in the IEER document; or any change in the activity, shall be made subject to a new Environmental Impact Assessment.	✓		
14. In case of transfer of ownership of this project, these same conditions and restrictions shall apply and the transferee shall be required to notify the EMB Regional Office concerned within fifteen (15) days as regards to the transfer of ownership.	✓		

## D. ECC-RO7-0909-0051 CCC 25 MW Thermal Power Plant located at Barangay Don Andres Soriano, Toledo City, Cebu

ECC Conditions	Complied?		Proof of Compliance/Remarks
	Yes	No	
1. The proponent (Carmen Copper Corporation) shall ensure that all commitments, appropriate mitigating measures/enhancement measures and monitoring requirements especially those contained in the IMP and EMMoP in the IEE Report/Annex C, its modifications and additional information as approved by the EMB during the IEE Report review shall be instituted and strictly implemented throughout the project implementation.	✓		
2. Shall implement all the mitigating measures as stated in the Impact Management Plan (IMP) prior to project implementation of all activities identified that contribute significant impact to the surrounding/ immediate vicinity of the project site.	✓		Continuous implementation of all applicable mitigating measures for the operation of the project.
3. Seedlings not less than Thirty Thousand (30,000) pieces shall be established in a nursery based on the approved Work and Financial Program and Gantt Chart for the seedling production and tree planting and growing activities to any potential area to be submitted within three (3) months upon receipt thereof as basis for compliance monitoring to this Office. Colored pictures showing the successful nursery and tree plantation area shall be submitted to this Office every six (6) months thereafter upon the release of the ECC. The planted trees shall be maintained throughout the lifespan of the project.	✓		Since the start of tree planting on year 2007, a total of 1,552,078 seedlings are produced with 1,053,264 seedlings planted covering a total area of 563.67 as of Dec 2022.
4. No cutting of existing trees (such as Coconut Trees, Mango Trees, etc.) with the project site.	✓		Company prohibits cutting of trees without prior approval of concerned government agencies.
5. Shall undertake continuing Information, Education and Communication (IEC) program to explain to all stakeholders the final approved EMMoP and the conditions of this ECC as well as an updated of the project status including any significant changes on the EMMoP and overall performance against ECC.	✓		

6. Submit an updated Project Environmental Risk Categorization prior to implementation or as soon as or after the final siting and design of facilities have been decided whichever ever comes earlier.	√		
7. Submit an Abandonment Plan to the EMB at least one (1) year prior to project abandonment. The plan shall include rehabilitation measures/clean up, remediation of areas affected by the project and proposed alternatives projects in the area.	√		The company has an approved Final Mine Rehabilitation and Decommissioning Plan (FMRDP) that is equivalent to Abandonment Plan.
8. The proponents operations shall conform with the provision of RA 6969 (Toxic Substances and Hazardous Waste Control Act of 1990), RA 9003 (Act providing for an Ecological Solid Waste Management Program), RA 9275 (Philippine Clean Water Act of 2004), RA 8749 (Philippine Clean Air Act of 1990)	√		The company granted with Hazardous Waste Generators ID by EMB. Hazardous Waste Generator Registration No.: GR-R7-22-00288
9. That an adequate cistern and effective greenline for recycling, distribution and utilization of used water shall be implemented as part of additional measures in water resources management.	√		
10. The proponent shall proceed with project implementation after securing all applicable permits from other concerned government agencies such as but not limited to the following; Engineering and Geo-Hazard and Geological Assessment Report (EGGAR), DOLE, FMS, LMS, MGB. The proponent should proceed project implementation after securing all applicable permits from other pertinent government agencies such as but not limited to the following: Building Permit, Environmental and Sanitation Permit and ; Thus, this ECC becomes valid only after all necessary permits have been secured prior to project implementation.	√		
11. An Environmental Unit (EU) or its equivalent shall be established to handle the environmental related aspects of the projects.	√		CCC Environment Department is charge in handling environmental related activities such as but not limited to conducting Environmental Quality Monitoring, IEC and Environmental Audits/Inspection.
12. That a 2'x4' billboard containing this message: " Notice to the Public, This project (Title of the project) of (Name of the proponent) has been Issued and Environmental Compliance Certificate (ECC Number) by the Environmental Management Bureau of the Department of Environment and Natural Resources, Region VII.	√		Appropriate billboards were installed in the applicable areas.
13. Proponent should allow entry of EMB-7 field personnel into the project site at all times to conduct tangible monitoring and to validate project's compliance to the ECC conditions stipulated therein.	√		Activities undertaken in the project site are consistent to the activities stipulated in the IEER Document.
14. A readily available and replenishable Environmental Guarantee Fund (EGF) in the amount of Five Million Pesos (P 5,000,000.00) to cover the following: expenses for further environmental assessments, compensation/indemnification for whatever damages to life and property that may caused by the project; rehabilitation and/or restoration of areas affected by the project's implementation; and abandonment/decommissioning of the project facilities related to the prevention of possible impacts. A Multi-partite Monitoring Team (MMT) composed of representative(s) from the proponent / estate, EMB Region 7, a local environmental Non-Government Organization (NGO), and the LGU's shall be organized. The MMT should primarily oversee the compliance of the proponent with the Environmental Management and Monitoring Plan (EMMop) and the ECC Conditions. A replenishable Environmental Monitoring Fund (EMF) to cover all costs attendant to the operation of the MMT such as conduct meetings, training, sampling and analysis, hiring of technical experts, mails, accommodation, supplies and materials, communication, and transportation. The amount and mechanics of the EGF, EMF, and the establishment of the MMT shall be determined by the DENR-EMB R7 and the proponent, stakeholder-communities and other concerned agencies. This MOA shall be submitted to EMB before project implementation/operation.	√		In lieu of EGF, the company has a four active accounts as follows: RCF, MTF, ETF and FMRDF which are under the Contingency Liability and Rehabilitation Fund (CLRF) this is equivalent to EMF and EGF as per Memorandum of Agreement (MOA) signed by two parties EMB and MGB (see Annex A)

15. No other activities should be undertaken other than what was stipulated in the submitted IEE Report document. Should there be an expansion of the project beyond the project description, construction of other structures beyond those stated in the IEE Report document; or any change in the activity, shall be made subject to a new Environmental Impact Assessment.	√	Activities undertaken in the project site are consistent to the activities stipulated in the IEE Report Document.
16. In case of transfer of ownership of this project, these same conditions and restrictions shall apply and the transferee shall be required to notify the EMB Regional Office concerned within fifteen (15) days as regards to the transfer of ownership.	√	No transfer of project ownership.

**B2. Compliance to Impact Management Commitments in EIA Report and EPEP (Directions: The MMT shall check compliance of the Proponent to the conditions stipulated in the EMP) - SEPARATE EMB-7 VALIDATION**

Project Impacts	Mitigating Measures/Control Strategies		Effective		Recommendation
	Planned	Actual Observation	Yes	No	
Pre-construction					
Construction					
Operation					

Overall Compliance Assessment:

**B3. Air Quality Impact Assessment:**

Sampling Location 1: Biga Brgy. Hall, Villaver Area, Brgy. Biga and CCC Recreation Center - 3rd Quarter

Parameter	Results				EQPL			Remarks
	in SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current	Previous	Current	Previous				
PM 10 (Brgy. Biga)	41.27					150 ug/m <sup>3</sup>	Passed	
PM 10 (Sitio Hag-it)	34.92					150 ug/m <sup>3</sup>	Passed	
PM 10 (Sigpit)	41.27					150 ug/m <sup>3</sup>	Passed	
Day/Time of sampling: August 10-11, 2023, 10:45AM								
Weather and wind direction: Cloudy with scattered rain shower								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Sampling Location 2: Biga Brgy. Hall, Villaver Area, Brgy. Biga and CCC Recreation Center - 4th Quarter

Parameter	Results				EQPL			Remarks
	in SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current	Previous	Current	Previous				
PM 10 (Brgy. Biga)								
PM 10 (Sitio Hag-it)								
PM 10 (Sigpit)								
Day/Time of sampling: April 19-20, 2023								
Weather and wind direction: Fair weather condition								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

## Overall Compliance Assessment:

## B4. Water Quality Impact Assessment:

Sampling Location 1: Carmen HE-Main and Wash Bay, Transport Shop, Machine Shop and PED Yard - 3rd Quarter

Parameter	Results				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current	Previous	Current	Previous				
Machine Shop pH TSS Oil & Grease	pH =7.3 TSS =10 O/G =<1						6-9 100 mg/L 5 mg/L	
PED Yard pH TSS Oil & Grease	pH =7.8 TSS =7 O/G =<1						6-9 100 mg/L 5 mg/L	
Transport Shop pH TSS Oil & Grease	pH =7.6 TSS =21 O/G =<1						6-9 100 mg/L 5 mg/L	
Carmen HE Shop pH TSS Oil & Grease	no discharge						6-9 100 mg/L 5 mg/L	
Carmen HE Wash Bay pH TSS Oil & Grease	no discharge						6-9 100 mg/L 5 mg/L	
Day/Time of sampling: August 10-11, 2023								
Weather and wind direction: Rainy								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Sampling Location 2: Carmen HE-Main and Wash Bay, Transport Shop, Machine Shop and PED Yard - 4th Quarter

Parameter	Results				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current	Previous	Current	Previous				
Machine Shop pH TSS Oil & Grease	pH =7.5 TSS =5 O/G =<1						6-9 100 mg/L 5 mg/L	
PED Yard pH TSS Oil & Grease	pH =7.7 TSS =10 O/G =<1						6-9 100 mg/L 5 mg/L	
Transport Shop pH TSS Oil & Grease	pH =7.3 TSS =6 O/G =<1						6-9 100 mg/L 5 mg/L	
Carmen HE Shop pH TSS Oil & Grease	pH =7.2 TSS =4 O/G =<1						6-9 100 mg/L 5 mg/L	
Carmen HE Wash Bay pH TSS Oil & Grease	pH =7.5 TSS =42 O/G =2						6-9 100 mg/L 5 mg/L	
Day/Time of sampling: October 19-20, 2023								
Weather and wind direction: Fine/Good								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

## Overall Compliance Assessment:

**C. Compliance with good practices in Solid and Hazardous Waste Management**  
(Directions: The MMT shall indicate its observations on how solid waste is handed, stored, disposed.)

Type of Waste	ECC/EPEP Commitments			Adequate?		Recommendation
	Handling	Storage	Disposal	Yes	No	
Solid Waste	- established color coded bins and staging area - in-house collection using garbage truck	- Recyclables/ scraps waste stored at Material Recovery Facility	- Recyclables/ scraps will be pulled out by 3rd Party Services - disposal of residual wastes were brought to Landfill area at Brgy. Puting Bato	✓		
Hazardous Industrial waste	- established storage area for industrial wastes	- Used oil generated were stored at the 2 separate 100K capacity storage tank at Carcon HE area - for other contaminated industrial waste like filters, hoses, rags, etc. were stored at Location 20 area.	- Disposal will be pulled out by 3rd party service provider accredited by DENR-EMB. (RRDS, ARC Merchandising, Upward Agro & Cleanaway Phil.)	✓		
Pathological waste	- established a Material Recovery Facility exclusive for Hospital waste - established 2-concrete vaults	- Infectious waste, non-hazardous, bio and non-bio wastes were stored at MRF - Used needles, cutters, etc., were stored at concrete vaults	- Pathological wastes will be pulled out by 3rd Party service provider accredited by DENR-EMB. (Cleanaway Phil.)	✓		

Note: Please see attached 3rd and 4th quarter 2023 MMT Monitoring Reports.

**D. Compliance with good practices in Chemical Safety Management**  
(for those companies using/producing Chemicals listed in EMB's and CCO list)

Chemicals in PCL and CCO	Adequate? *(Put/If Adequate)				Remarks
	Risk Management	Training	Handling	Emergency Preparedness	
Polychlorinated Biphenyls (PCB)	✓	✓	✓	✓	
Lead (Flux 104 and Flux 107)	✓		✓	✓	
Mercuric (III) Chloride	✓		✓	✓	
Asbestos	✓		✓	✓	

**E. Compliance with Health and Safety Program Commitments - SUBJECT TO SEPARATE MGB-7 INSPECTION**

Elements	Specific Program to be Validated	Complied?		Remarks
		Yes	No	
Meetings	• Central Safety and Health Committee should meet at least once a month	✓		
	• Department meetings on safety and health matters should be held at least once a week	✓		
	• Pep talks or toolbox meetings should be held before employees are deployed to their respective workplaces	✓		
Management and Employee Trainings	• Formal training for Department managers and line supervisors	✓		
	• New employees orientation training n safety and health consciousness, responsibilities and on the use of Personal Protective Equipment	✓		
	• Continuing training on first-aid, mine rescue, fire fighting, etc.	✓		
	• Formal training of safety engineer and safety inspector on safety, health and loss control from organized outside agency	✓		
Planned Inspections	• Planned general inspections every quarter using a predetermined inspection list for regular updating	✓		
	• Reporting of substandard conditions and practices observed during the inspections	✓		
	• Substandard conditions and practices observed shall be classified as to hazard potential	✓		
	• Etc.	✓		

Accident/Incident Investigation	Annual Safety and Health Program	✓	
Health Control and Services	CCC Hospital	✓	
Emergency Response and Preparedness Program	COP 005 Emergency Preparedness and Response Plan (EPRP)	✓	
Good Housekeeping	OCP 037 5S in the Workplace	✓	
Provision for Personal Protective Equipment	OCP 009 Personal Protective Equipment and Device Program	✓	
Safety/Health Incentives	Central Safety, Health and Environment Council	✓	

**F. Compliance with Social Development Plan Targets**

Elements	Specific Program to be Validated	Complied?		Remarks
		Yes	No	

Note: Personnel from MGB Regional Office 7 conducted validation of companys'ASDMP on semi-annual on January 2019 but the company has not received validation reports from MGB7.

**G. Complaints Verifications and Management**

Date Filed	Filed where? (pls. check)				Nature of Complaint	Resolutions Made
	DENR	Company	MMT	Others, specify		

**Other Remarks/Recommendations:**

1. Average ore production as of September 2023 is at 42,308 MTPD at 0.266% Cu. Milling production as of September 2023 at 43,411 MTPD at 0.230% Cu Generally, the mine and mill production have significantly reduced due to the expansion push back activities.
2. Active mine waste dumps are located in North Lutopan and near Carmen HE Shop.
3. Water samples were obtained from all sampling stations except Carmen HE shop and HE shop washbay. The team decided to forego with water sampling at the HE Shop, which will completely be relocated next month.
4. Air sampling activities were done in Barangay Biga and the old sampling station in Sitio Hag-It on the first day, and La Salle Soccer Playground on the following day.
5. The team was informed of the present utilization of 2 water sprinkling trucks (which include an outsourced / rented unit) for the company's dust mitigation activities along certain access roads within the mine complex.
6. The EMB-7 representative shared the hourly-generated results of the 24-hour air sampling activity conducted near the Barangay Biga Hall on September 5-6, 2023, which were all very well within the threshold limit.
7. The company informed that the purchase request for the BTSF discharge pipeline enhancement in the amount of PSM is still underprocessing.
9. The company informed of the completed construction of the zero-discharge decant tower at the BTSF last August 30, 2023.
10. The team commends the notable improvement of the Sigtit Silt Pond System (Silt Pond # 2 reportedly at 90% completion already) with an existing dedicated fleet comprised of 3 backhoes and 10 haul trucks.
11. The team noted the much improved physical state of the Emergency Tilings Pond (ETP) vis observations during the past MMT validations.
12. The team plans on conducting a Biodiversity benchmarking to be headed by the DENR-CDD, as part of the proposed 2024 AEPEP.
13. The company informed of the ongoing Improvement of Nursery Facilities (Nursery Office, Potting Shed and Vermi-Composting area).
14. The company, during the closing meeting of MMT validation, awarded the newly purchased accessories for DLSR Camera intended for wildlife monitoring (150-600 Super Telephoto lens, AF 2X Teleconverter/ Extender, and EF 2X III) for its Biodiversity Conservation to DENR-7 CDD.
15. The company shared a comparative presentation to the team between acquiring a new or repairing its existing service vehicle. The company was advised to share the same in the upcoming MRFC meeting.
16. The company requests the DENR7-CDD for the conduct of Carbon Stock Assessment as part of its proposed 2024 AEPEP. Initially, a special orientation will be scheduled next month.

Prepared by:

 JANCA MICHELLE E. MEDALLA CAO II	 ARELLA A. SILLERA EMB-7 Representative	 LUTHEHAN T. HERNANDO DENR7 CDD Representative	 EXSOTEL MARY S. AMAR CENRO - Toledo Rep.	 DOMINADOR S. TAN NGO - TOCEPW
 ROY C. RABLUN Company Representative	 SUSANA S. PALARON PEARCO-2600	 HON. VINICIO OZAYAN LGU-Brgy. DAS	 HON. PEDRO SEPADA LGU-Brgy. Biga	
 EDGAR C. LAGARNA MMT Head				

4th Quarter 2023 MultiPartite Monitoring Team Validation

Date : October 19-20, 2023

Coverage : 3rd Quarter and Partial 4th Quarter of 2023 Annual Environmental Protection and Enhancement Program Accomplishments

Tenement : MPSA 264-2008-VII & MPSA 210-2005-VII

CARMEN COPPER CORPORATION

Activities <sup>1</sup>	Unit of Measure	Physical Target and Accomplishment							Financial Target and Utilization					Remarks - Q4		
		Annual Target	Physical Targets				% Physical Accomplishment to date <sup>2</sup>	Annual Budget	Financial Targets				% Financial Accomplishment to date <sup>3</sup>			
			Q1	Q2	Q3	Q4			Total Accomplishment to date	Q1	Q2	Q3			Q4	Total Expenditure to date
<b>1. Land Resource</b>																
a. National Greening Program Plantation maintenance (100 Ha.)	No. of validation Activity	2	-	1			1	50%	687,450	-	350,000	-	-	350,000	51%	- Ongoing maintenance activity of the 100 hectares plantation at Brgy Bunga, Toledo City. - The 2nd pass (July-December) activities of UNIFAMCO are the procurement/replanting of 12,495 sdigs, plantation maintenance of 100 hectares and purchasing and application of 85 sacks of Inorganic fertilizers
b. Improvement of Nursery Facilities - Repair of Nursery Office - Repair of Potting Shed - Repair of Vermil-Composting	No. of Facility	3	-	-	-	-	-	0%	1,697,583	-	-	-	-	-	0%	* Repair of Nursery office - ongoing delivery of materials * Repair of Potting shed - ongoing delivery of materials - on process labor request * Repair of Vermil-Composting- - ongoing delivery of materials
c. Operation and Maintenance of Waste Rock Dump Rehabilitation and Stabilization of Riverbank and left-over clearing (Airstrip, Odium & Sigpit area)	No. of Mntce. Activity	12	3	3	3		9	75%	16,500,000	4,780,912	4,031,668	3,833,790	-	12,646,370	77%	- Sigpit & Airstrip WRD - continuous maintenance of access roads, slopes and drainage system - Udium WRD - continuous maintenance of access roads and drainage systems
d. Operation and maintenance of roads and drainage within the Pit area	No. of Mntce. Activity	12	3	3	3		9	75%	8,000,000	2,222,644	1,783,360	1,800,455	-	5,806,459	73%	- Continuous maintenance of drainage system within the pit
e. Storage Facility for Household Electronic Wastes (Camp Housing area)	No. of Storage facility	3	-	-	-	-	-	0%	180,000	-	-	-	-	-	0%	- On process Purchase Order (PO) for approval.
f. Construction of North Dike Project	No. of Project	1	-	0.26			0.26	26%	51,280,374	-	10,256,075	17,435,327	-	27,691,402	54%	- Completed the drilling and grouting activity. - Ongoing embankment and development of stage 1 dike



g. Establishment of Sigpit Settling Pond Extension (Pond 1A and Pond 1B)	No. of Project	1	0.20	0.30	0.4		0.90	90%	9,700,000	939,680	3,880,000	4,228,560	-	9,048,240	93%	- Pond 1A is 100% completed. - Ongoing construction Sigpit Pond 1B at 90% completed.
h. Additional Two (2) unit Dump Trucks	No. of Truck	2	-	2			2	100%	6,000,000	-	6,000,000	-	-	6,000,000	100%	- Delivered and now used at Sigpit desilting maintenance activity.
i. Proposed Construction of Garbage Staging and Compost Facility	No. of Facility	1	-	-			-	0%	1,109,843	-	-	-	-	-	0%	- Capex Authorization Request (CAR) and manual Purchase Request (mPR) are already approved. - On process for bidding.
<b>Sub-total</b>									<b>95,155,250</b>	<b>7,943,236</b>	<b>26,301,103</b>	<b>27,298,132</b>	<b>-</b>	<b>61,542,471</b>		
<b>2. Water Resource and Quality</b>																
a. Operation, Regular Maintenance and Improvement of Emergency Tailings Pond (ETP)	No. of Mntce. Activity	12	3	3	3		9	75%	25,000,000	5,752,149	5,550,551	5,590,394	-	16,893,094	68%	- On-going desilting of ETP pond nos. 3 and 4 - regular cleaning of drainage/creek from Pump house to ETP
b. Operation and Maintenance of Tailings Disposal System (Land Based, Slurry Pumps and Tailings Pipelines and Launderers)	No. of Mntce. Activity	60	15	15	15		45	75%	30,000,000	12,590,349	5,182,435	4,979,929	-	22,752,713	76%	- facilities are well-maintained
c. Operation and maintenance of Sigpit Settling Pond, Spillway and Dikes	No. of Mntce. Activity	36	9	9	9		27	75%	19,531,200	3,894,532	2,860,185	3,194,220	-	9,948,937	51%	- On going desilting of pond no. 1 and Sigpit creek.
d. Maintenance of One (1) Slake Lime set-up @ SBDT area	No. of Mntce. Activity	12	3	3	3		9	75%	85,000	23,400	23,400	24,450	-	71,250	84%	- Slaking set up is operational and well maintained
e. Maintenance of Existing Used Oil Storage facility (Carmen HE & Machine Shop area)	No. of Mntce. Activity	24	6	6	6		18	75%	180,000	46,200	47,100	46,200	-	139,500	78%	- Well maintained, storage tank are in good condition
f. Maintenance of Oil-Water Separator Facilities (Carmen HE Main & Wash bay, Transport shop, Machine Shop & PED Yard areas)	No. of Mntce. Activity	60	15	15	15		45	75%	1,400,000	365,836	365,836	360,212	-	1,091,884	78%	Carmen H.E. - The existing facilities are operating properly and continuously maintained Transport Area - Well maintained. PED / Machine Shop - Well maintained

g. Maintenance of Wash Bays (Carmen HE and Transport shop)	No. of Mtnc. Activity	24	6	6	6		18	75%	200,000	50,550	50,550	50,250	-	151,350	76%	Carmen HE - Well maintained Transport shop - Well maintained
h. Maintenance of Environmental equipment (Water Quality Checker, Portable PH Meter, Online PH Meter, Flow Meter, etc.)	No. of Equipment	4	0	2	2		4	100%	180,000	10,000	15,000	131,537	-	156,537	87%	- Completed calibration and maintenance of envl equipment.
i. Water Laboratory Expenses	No. of Samples	212	53	53	53		159	75%	850,000	163,897	252,661	231,532	-	648,089	76%	- Continue collection of water samples for analysis to 3rd Party Service Provider (Ostrea Laboratories)
j. Handling, Transport & Disposal of Hazardous Waste (133,000 kgs)	Kilograms	133000	32,910	18,454	12,590		63,954	48%	1,000,000	226,590	143,973	93,133	-	463,696	46%	- Continue hauling of hazardous waste conducted by RRDS and Cleanaway.
k. Maintenance of Drainage system at Carmen Concentrator	No. of Mtnc. Activity	12	3	3	3		9	75%	362,400	88,560	88,560	80,520	-	257,640	71%	- Drainage regularly maintained
l. BTSF Discharge Pipeline Enhancement	No. of Project	1	-	-	-		0	0%	5,000,000	-	-	-	-	-	0%	- On process Capex Authorization Request and manual Purchase Request (CAR/mPR) for management approval
m. Procurement of additional Oil/Chemical Spill Kit	No. of IGI	2	-	2			2	100%	100,000	-	169,850	-	-	169,850	170%	- Spill kit were already delivered at mine site.
<i>Sub-total</i>									<b>83,888,600</b>	<b>23,212,063</b>	<b>14,750,101</b>	<b>14,782,377</b>	<b>-</b>	<b>52,744,541</b>		
<b>3. Noise and Vibration</b>																
a. Conduct Regular Ambient Noise Monitoring at the ff area: Biga Brgy Hall, Sitio Hag-it, Sigpit Area, Sangi Port & Airstrip	No. of Sites	60	15	15	15		45	75%	18,000	4,500	4,500	4500	-	13,500	75%	- Continue conducting monthly ambient noise sampling
<i>Sub-total</i>									<b>18,000</b>	<b>4,500</b>				<b>13,500</b>		

4. Air Quality																
a. Maintenance of Environmental Equipment (High Volume Air Sampler, Portable Genset, Micro-Climate System, etc.)	No. of Equipment	3	-	1	2		3	100%	100,000	17,500	-	79,023	-	96,523	97%	- Air Sampler equipment was already calibrated. - Genset already repaired and operational
b. Conduct Regular In-house PM10 Air Sampling at Biga Brgy Hall, Sitio Hag-it, Sigpit (near Sigpit Waste dump), Primary Crusher, Sangi Port)	No. of Sites	60	15	15	15		45	75%	74,000	19,500	19,500	19,500	-	58,500	79%	- Continue conducting monthly ambient noise sampling
c. Operation and Maintenance of Environmental Heavy Equipment (Excavator - 3 and Dump Trucks 5)	No. of Equipment	8	1	2	3		6	75%	2,500,000	426,039	369,921	299,867	-	1,095,827	44%	* 3 Unit Excavators - Completed repair of 3 units and operational.  * 5 Unit Dump Trucks - 3 units are under repair - 2 units are operational  * Additional fleet of 8 Dump trucks were assigned to Sigpit for desilting activity
<i>Sub-total</i>									<b>2,674,000</b>	<b>463,039</b>	<b>389,421</b>	<b>398,390</b>	<b>-</b>	<b>1,250,850</b>		
5. Biodiversity Conservation / Consideration																
a. Seedling Production (Forest & Fruit-Bearing trees)	No. of Seedlings	28500	15,414	15,137			30,551	107%	342,000	184,968	181,644	-	-	366,612	107%	- Completed the seedling production for this year's target.
b. Mining Forest Program (Nursery operation and Tree Planting Activity)																
- Tree Planting Activity	No. of Ha.	6		1.01	1.36		2.37	40%	150,000	-	25,250	34,000	-	59,250	40%	- Continue planting at Lantoy area ( part of Lutopan Waste Rock Dump area).
- Enrichment Planting	No. of Ha.	25			13.37		13	53%	75,000	-	-	40,116	-	40,116	53%	- On going enrichment planting at Mabals and Lusong Waste Rock Dump (WRD) area

c. Establishment of Bamboo plantation	No. of Ha.	30			0.74		0.74	2%	105,000	-	-	7,500	-	7,500	7%	- Ongoing production of bamboo propagules. - Ongoing planting of bamboo propagules at Brgy Bagacay and Loay
d. Maintenance of existing Reforested areas: (Reforestation/ mine revegetation)																
- Ecopark Maintenance activity	No. of Ha.	6	1.5	1.5	1.5		4.5	75%	40,008	10,002	10,002	10,002	-	30,006	75%	- Conducted grass cutting and brushing/clearing activity
- Ringweeding and Brushing activity	No. of Seedlings	25,000	6,250	7,500	3,800		17,550	70%	100,000	34,757	34,757	-	-	69,514	70%	- Ongoing ringweeding and brushing activity
- Pruning and Salvaging activity	No. of Ha.	15	7.83	5.89			13.72	91%	50,010	26,105	19,638	-	-	45,743	91%	- Completed the pruning and salvaging activity.
- Replanting activity	No. of Seedlings	5,250		927	2,895		3,822	73%	52,500	-	11,124	27,144	-	38,268	73%	- Ongoing replanting at Mabais and Lusong Waste Rock Dump area.
- Growth and Survival	No. of Ha.	5		5			5	100%	12,500	-	12,750	-	-	12,750	102%	- Completed the growth and survival monitoring.
e. Wildlife Monitoring within the mine site	No. of Monitoring activity	2		0.5			0.5	25%	46,000	-	16,917	-	-	16,917	37%	- Next monitoring schedule on 4th quarter.
f. Proposed Solar Power at Administrative Building	No. of Project	1	0.283	0.72			1	100.3%	8,000,000	2,249,850	5,700,150	-	-	7,950,000	99.4%	- Solar Panel/system installation is now completed and operational.
g. Procurement of accessories for DLSR Camera intended for Wildlife monitoring as ff: - 150-600 Super Telephoto lens - AF 2X Teleconverter/ Extender EF 2X III	No. of Item	2	-	-	2		2	100%	125,000	-	-	148,490	-	148,490	119%	- Items delivered on September 29, schedule for turn-over to Mr Hernando of DENR CDD office.
<b>Sub-total</b>									<b>9,098,018</b>	<b>2,505,682</b>	<b>6,012,232</b>	<b>267,252</b>		<b>8,785,166</b>		

6. Social Issues																	
a. IEC/Pulong-pulong to five (5) Sitios	No. of Activity	4	3	1			4	100%	20,000	21,200	-	-	-	21,200	106%	- Completed the IEC activity at the identified barangays and sitios.	
b. Conduct River Clean up on identified river within Toledo City	No. of Activity	4	1	1	1		3	75%	100,000	22,950	33,500	33,500	-	89,950	90%	- Conducted the 3rd quarter clean up last Sept. 29, 2023. (see attached photos)	
<i>Sub-total</i>										<i>120,000</i>	<i>44,150</i>	<i>33,500</i>	<i>33,500</i>	<i>-</i>	<i>111,150</i>		
7. Research Proposals / Activities																	
a. UPLB Research "Greening the Mine out Areas Philippines-Toledo City"	No. of Monitoring	4	-	1	2		3	75%	425,700	-	106,425	106,425	-	212,850	50%	- Conducted fertilizer application and growth measurement of planted seedling on Sept 12-15, 2023.	
b. Subsurface and Topographic Investigation Survey and Transmission Line Route Survey	No. of Study	2	-	-			0	0%	6,189,300	-	-	6,159,300	-	6,159,300	99.52%	- Waiting for the final report that will be provided by the service provider (DGS).	
<i>Sub-total</i>										<i>6,615,000</i>	<i>-</i>	<i>106,425</i>	<i>6,265,725</i>	<i>-</i>	<i>6,372,150</i>		


**OTHER MMT FINDINGS / OBSERVATIONS:**

1. Average ore production as of September 2023 is at 42,308 MTPD at 0.266% Cu. Milling production as of September 2023 at 43,411 MTPD at 0.230% Cu Generally, the mine and mill production have significantly reduced due to the expansion push back activities.
2. Active mine waste dumps are located in North Lutopan and near Carmen HE Shop.
3. Water samples were obtained from all sampling stations except Carmen HE shop and HE shop washbay. The team decided to forego with water sampling at the HE Shop, which will completely be relocated next month.
4. Air sampling activities were done in Barangay Biga and the old sampling station in Sitio Hag-it on the first day, and La Salle Soccer Playground on the following day.
5. The team was informed of the present utilization of 2 water sprinkling trucks (which include an outsourced / rented unit) for the company's dust mitigation activities along certain access roads within the mine complex.
6. The EMB-7 representative shared the hourly-generated results of the 24-hour air sampling activity conducted near the Barangay Biga Hall on September 5-6, 2023, which were all very well within the threshold limit.
7. The company informed that the purchase request for the BTSF discharge pipeline enhancement in the amount of PSM is still under processing.
9. The company informed of the completed construction of the zero-discharge decant tower at the BTSF last August 30, 2023.
10. The team commends the notable improvement of the Sigpit Silt Pond System (Silt Pond # 2 reportedly at 90% completion already) with an existing dedicated fleet comprised of 3 backhoes and 10 haul trucks.
11. The team noted the much improved physical state of the Emergency Tilings Pond (ETP) vis observations during the past MMT validations.
12. The team plans on conducting a Biodiversity benchmarking to be headed by the DENR-CDD, as part of the proposed 2024 AEPEP.
13. The company informed of the ongoing improvement of Nursery Facilities (Nursery Office, Potting Shed and Vermi-Composting area).
14. The company, during the closing meeting of MMT validation, awarded the newly purchased accessories for DLSR Camera intended for wildlife monitoring (150-600 Super Telephoto lens, AF 2X Teleconverter/ Extender, and EF 2X III) for its Biodiversity Conservation to DENR-7 CDD.
15. The company shared a comparative presentation to the team between acquiring a new or repairing its existing service vehicle. The company was advised to share the same in the upcoming MRFC meeting.
16. The company requests the DENR7-CDD for the conduct of Carbon Stock Assessment as part of its proposed 2024 AEPEP. Initially, a special orientation will be scheduled next month.

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