



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region

PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE

Bgy. Sta. Monica, Puerto Princesa City, Palawan

Telfax No. (048) 434 - 8791

Email Add: penropalawan@denr.gov.ph



June 27, 2022

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA Region
1515 L&S Bldg., Roxas Blvd.
Ermita, Manila

: The Regional Director
MGB -MIMAROPA Region
1515 L&S Bldg., Roxas Blvd.
Ermita, Manila

: The Regional Director
DENR-EMB- MIMAROPA Region
1515 L&S Bldg., Roxas Blvd.
Ermita, Manila

FROM : Provincial Environment and
Natural Resources Officer

SUBJECT : **SUBMISSION OF 2ND SEMESTER 2021 MMT COMPLIANCE
MONITORING AND VALIDATION REPORT (CMVR) FORM
ANNEX B FOR RIO TUBA NICKEL CORPORATION**

Forwarded is the Memorandum dated 11 May 2022 of CENRO Brooke's Point endorsing the attached copies of 2nd Semester 2021 Multi-Partite Monitoring Team (MMT) Compliance Monitoring and Validation (CMVR) form Annex B, for Gotok limestone Quarry Project and Rio Tuba Nickel Silicate Ore Project of Rio Tuba Nickel Corporation (RTNMC).

Further, please be informed that this Office was excluded from the members of the MMT per previous memorandum of that Office, hence we only rely on reports being submitted and no direct participation on the ground inspection conducted. Clarifying item 11.2. Establishing of centralized management and coordinating mechanism of DENR Admin. Order No. 2018-18 dated August 15, 2018 with regards to MMT activity/s and our participation for our guidance.

For information and record.

DENR-PALAWAN
PENRO-RECORDS
RELEASED

RGT/EMU Doc. No. 2022-5419

By: 05 JUL 2022 AP
Date: 28-10-16 CN


FELIZARDO B. CAYATOC



Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
COMMUNITY ENVIRONMENT AND NATURAL RESOURCES OFFICE
Brooke's Point, Palawan

REGION

May 11, 2022

MEMORANDUM

FOR : The Regional Executive Director
DENR MIMAROPA Region
1515 L&S Building
Roxas Blvd., Ermita, Manila

The Regional Director
MGB MIMAROPA Region

The Regional Director
EMB MIMAROPA Region

THRU : The Provincial Environment and
Natural Resources Officer
Sta. Monica, Puerto Princesa City

FROM : The Community Environment and
Natural Resources Officer

SUBJECT : **SUBMISSION OF 2nd SEMESTER 2021 MMT COMPLIANCE
MONITORING AND VALIDATION REPORT (CMVR) FORM ANNEX
B FOR RIO TUBA NICKEL CORPORATION**

Furnished herewith are copies of the aforementioned 2nd semester 2021 Multi-Partite Monitoring Team (MMT) Compliance Monitoring and Validation Report CMVR Form Annex B for Gotok Limestone Quarry Project and Rio Tuba Nickel Silicate Ore Project of Rio Tuba Nickel Mining Corporation (RTNMC).

The monitoring and validation activities conducted on November 15-20, 2021 and February 21-26, 2022 included documentary review of compliance of the company with the commitments and conditionalities stipulated in their ECC, EPEP, DENR permits and SEP Clearance, actual field validations and sampling activities. Said monitoring and validation activities were attended by representatives from concerned government agencies/organizations and the company. The Monitoring and validation activities for this semester was headed by Supervising Science Research Specialist Joel V. Balquiedra of MGB MIMAROPA.

Results of monitoring and validations show that for both projects, RTNMC is generally compliant with the commitments and conditionalities stipulated in their documentary licenses/clearances/permits. Implementations of certain activities/operations were still affected by the restrictions and safety protocols brought about by Covid-19 pandemic although other activities are still being implemented per schedule if possible. Exceedances in the amount of Chromium Hexavalent (Cr^{6+}) present in the water samples collected for certain sampling stations during the 3rd quarter were recorded thus confirmatory samplings (re-sampling) activities for the said parameter was conducted on August 2021 wherein all results are within the criteria set forth per Water Quality Criteria (DAO 2016-08).

For her information and record.

CONRADO M. CORPUZ

M. Rodriguez St. Poblacion District I, Brooke's Point Palawan 5305
Mobile Phone: Globe: 0917-502-8961
Email: cenrobrokepoint@denr.gov.ph

DENR PENRO
PALAWAN REGION
RECEIVED

BY: *[Signature]*
DATE: *May 21, 2022* *22-5419*

DENR-DENRO
MIMAROPA REGION
RELEASED
DATE: *MAY 13 2022*
BY: *H/ 2022-0643*

MMT COMPLIANCE MONITORING AND VALIDATION REPORT (CMVR) FORM FOR MINING INDUSTRIES

RIO TUBA NICKEL SILICATE ORE PROJECT BARANGAY RIO TUBA, BATARAZA, PALAWAN RIO TUBA NICKEL MINING CORPORATION

DATE OF COMPLIANCE MONITORING AND VALIDATION: November 15-20, 2021/February 21-26, 2022
MONITORING PERIOD COVERED: July to December 2021 Quarter/Semester Year: 2nd Semester 2021

I. BASIC INFORMATION

A. Nickel Silicate Ore Project.

ECC Control No./Reference Code No.	ECC-CO-1312-0043
Date ECC Issued	09 March 2015
MPSA Control No./Reference Code No.	114-98-IV
Date MPSA Issued	04 June 1998
Project Current Name	Rio Tuba Nickel Laterite Project
Project Name in the ECC	Rio Tuba Beneficiated Nickel Silicate Ore Expansion (Production/Extraction Output) Project
Project Status	Commercial Operation
Geographical Coordinates of the Project	X: 8°32'55"-8°37'38" Y: 117°26'08"-117°21'24"
Proponent Name	Rio Tuba Nickel Mining Corporation
Proponent Contact Person/Position	Engr. Rommel L. Cruz/Vice-President for Operations/Cynthia E. Rosero – Resident Mine Manager
Proponent Mailing Address	29 th Floor, NAC Tower, 32 nd Street, Bonifacio Global City, Taguig City
Proponent Telephone No./Fax No.	Telephone No.: 7879-601; Fax No.: 8128-826/ Contact No. +963178104686
Proponent Email Address	rommel.cruz@nickelasia.com / cynthia.rosero@rtn.nickelasia.com
MMT Contact Person/Position	Joel V. Balquiedra/Supervising Science Research Specialist
MMT Mailing Address	Mines and Geosciences Bureau, MIMAROPA Region 1515 DENR Bldg., Roxas Blvd., Ermita, Manila
MMT Telephone No./Fax No.	+639088940858
MMT Email Address	Joel.balquiedra@mgb.gov.ph

II. EXECUTIVE SUMMARY OF COMPLIANCE

Requirements		Complied		Remarks/ECC or EPEP Condition#
		Yes	No	
Compliance with ECC Conditions/Commitments	Validity	✓		ECC-CO-1906-0015 was granted to RTNMC on August 22, 2019 re: its proposed Rio Tuba Nickel Mining Project (AMA-IVB-144A) located at Barangays Rio Tuba, Ocayan and Taratak. However, actual mining operation in the MPSA No. 114-98-IV-Amended I is yet to commence as RTNMC is still securing all necessary

Rio Tuba Nickel Silicate Ore Project 2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B

			and relevant permits from other government agencies. Accordingly, actual mining operation of the company is still within the initial 990 hectares under MPSA No. 114-98-IVB.
	Project coverage/limits/components	✓	Included in the ECC
	EMP and updates as deemed necessary	✓	A 2010 revised EPEP was submitted to MGB MIMAROPA for the project. Updates are reflected in the submission of the Annual EPEP. AEPEP 2021 was approved by MGB MIMAROPA on 04 February 2021 with COA No. 2021-02-MIMAROPA
	Conduct of Compliance and Impact Self-Monitoring	✓	Various mitigating measures stipulated in the AEPEP 2021 for impacts on air, water and noise are continuously being implemented. In-house monitoring for impacts on air, water and noise are regularly conducted. All results of the ambient and effluent monitoring are within DENR standards. Compliance Monitoring Report (CMR) for the 2 nd Semester 2021 was submitted online for review of EMB MIMAROPA on 29 January 2022.
	Regular reporting of Self-Monitoring Results by the Project Proponent	✓	The 1 st , 2 nd , 3 rd and 4 th quarter SMRs were submitted thru online to EMB MIMAROPA on 15 April 2021, 15 July 2021, 15 October 2021 and 14 January 2022 respectively.
	Other sectoral requirements mandated by other agencies to be complied with	✓	Renewals of permits were secured during the first semester. These include Mayor's Permits for RTNMC facilities and other permits specified in the ECC-CO-1312-0043 - Part III. Condition 1,2,3,4,5,6,7,8
Compliance with EPEP Commitments	Implementation of Environmental Impact Control Strategies	✓	Implementation of Environmental control measures/commitments included in the approved 2021 AEPEP are continuous. RTNMC is ISO 14001:2015 (Environmental Management System) certified valid from 17 May 2019 to 16 May 2022.
	Safety	✓	The 2021 Annual Safety and Health Program for the project were approved by the MGB MIMAROPA Region on 16 December 2020 with COA No. SHP - 2021 – MIMAROPA – 05.
	Rehabilitation		Mining Rehabilitation and Reforestation Program is included in the activities of approved 2021 AEPEP. Semestral Reports on Mining Forest Program Accomplishment was submitted on 14 July 2021 and 17 January 2022.
Compliance with SDMP Commitments		✓	The 2021 Annual Social Development and Management Program for the

			project was approved by MGB MIMAROPA with COA No. ASDMP # 2021-03-MIMAROPA (4 th). SDMP activities are continuously being implemented.
Complaints Management	Complaint receiving set-up	✓	Complaint regarding mining operation, Environmental Laws, DENR Permits, SEP Clearance are included in the MMT functions
	Case investigation	✓	MMT conducts investigation
	Implementation of control measures	✓	
	Communication with the complainant/public	✓	
	Complaint documentation	✓	
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 a MEPEO which oversees two (2) sections - the Pollution Control Section and the Mine Rehabilitation and Reforestation Section. Both sections are composed of technically competent personnel.
Others, please specify			

III. PROCESS DOCUMENTATION OF ACTIVITIES UNDERTAKEN

Activities	Date Conducted	MMT Members Involved	Methodology/Other Remarks
Document Review of:			
<ul style="list-style-type: none"> Compliance with ECC Conditions/Commitments Compliance with EPEP & SDMP Commitments Compliance with DENR Permits Conditionalities Compliance with SEP Clearance Conditionalities 	15-20 November 2021 21-26 February 2022 15-20 November 2021 21-26 February 2022 15-20 November 2021 21-26 February 2022 15-20 November 2021 21-26 February 2022	All MMT members. Please see signatures below.	Conducted during the MMT activities
Site Validation – Ocular	15-20 November 2021 21-26 February 2022		
Site Validation - Confirmatory Sampling (if conducted)	MMT Regular Sampling Activities for 3Q2021 and 4Q2021 were conducted on 19-24 July 2021 and 15-20 November 2021 respectively		
		MMT Sampling Team	

IV. COMPLIANCE MONITORING RESULTS AND DISCUSSIONS

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

A.1. Nickel Laterite Project

Parameter	Specification (specify if in ECC or EPEP)	Within Specs?		Remarks - Description of Actual Implementation
		Yes	No	
Project Location (indicate geographic coordinates)	X: 8°32'55"-8°37'38" Y: 117°26'08"-117°21'24"	✓		
Project Area (ha)	5,625 hectares	✓		Actual mining operation of the company is confined within the initial 990 hectares under MPSA No. 114-98-IVB.
Capital Costs	P3.628B	✓		
Type of Minerals	Laterite	✓		
Mining method(s)	Surface Mining	✓		
Production	Annual Production capacity of 3.0 Million WMT of saprolite ores and 5.0 Million WMT of limonite	✓		CY 2021 Production/Shipment Saprolite = 1,829,208.00 Limonite = 2,897,374.15
Mill/Processing Plant	N/A			
Mine Life	Year 2023	✓		
Mineral Reserves/ Resources	46,495,000 WMT	✓		
Access/Transportation	Private plane or ship; Land transportation	✓		
Power Supply	From CBNC 22-megawatt coal-fired power plant; 75KW cat and 132 KW Olympian generator sets for Pier site	✓		
Mining Equipment	Production equipment includes dump trucks, bulldozers, track excavators and loaders, wheel loaders, and drills.	✓		
Workforce	As of December 31, 2021 RTNMC has 529 regular employees	✓		66.7% of RTNMC's regular employees are from the Municipality of Bataraza and 21.7% are from Puerto Princesa City and other municipalities within Palawan while the remaining 11.5% are from Metro Manila and other provinces.
Development/Utilization Schedule	Mine life until year 2023	✓		
Other Components				

B. Review & Validation of Proponent's Self-Monitoring Reports

B.1. Compliance to other ECC Conditions – Nickel Laterite Ore Project (ECC-CO-1312-0043)

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

ECC Conditions	Complied?		Proof of Compliance/Remarks
	Yes	No	
<p>A. This Certificate shall cover the existing and proposed Rio Tuba Beneficiated Nickel Silicate Ore Expansion (Production/Extraction Output) Project with a maximum annual extraction rate of 4.0 Million WMT of saprolite ores and 6.0 Million WMT of limonite; and annual production capacity of 3.0 Million WMT of saprolite ores and 5.0 Million WMT of limonite within the 990 hectares of MPSA-114-98-IV.</p> <p>The Project shall consist of the following major components:</p> <p>A.1. 61-hectares Pier Stockyard; and</p> <p>A.2. Mining facilities and equipment (town site infrastructure, mine and plant site facilities, fuel storage, RTNMC domestic water system and other facilities).</p>	✓		<p>CY 2021 Extraction/Moved: Saprolite = 1,484,746.86 Limonite = 2,990,455.40</p> <p>CY 2021 Production/Shipment Saprolite = 1,829,208.00 Limonite = 2,897,374.15</p>
<p>I. CONDITIONS</p> <p>ENVIRONMENTAL MANAGEMENT</p> <p>All commitments, appropriate mitigating/enhancement measures and monitoring requirements contained in the EPRMP, particularly in the Environmental Management and Monitoring Plans (EMMoPs), as approved by the EMB, shall be instituted to minimize any adverse impact of the Project to the environment throughout its implementation, including among others the following:</p> <p>1. Observance of good vegetative practices, proper land use, sound soil and water management, and proper waste management throughout the Project implementation, which include:</p> <p>a. Limiting the clearing of vegetation within the planned areas to be mined and conducting re-vegetation/reforestation on idle land areas in the site with endemic species to provide carbon sink and restore biodiversity;</p> <p>b. Strict implementation of effective engineering measures to stabilize and control erosion of the affected side slopes of the roads and nearby</p>	<p>✓</p> <p>✓</p> <p>✓</p>		<p>Instead of EMMoPS, the company has an AEPEP 2021 which was approved by MGB MIMAROPA Region on February 4, 2021 with COA No. 2021-02-MIMAROPA.</p> <p>All activities specified in the submitted AEPEP 2021 are generally being implemented. (<i>Refer to 3rd and 4th quarter AEPEP CMVR for details re: validated accomplishments of the company</i>)</p> <p>No newly opened areas during the period. 5.9 hectares mined-out area was rehabilitated during 4Q2021. Protection and Maintenance activities of the newly rehabilitated 5.9 hectares including the previously established 196.64 hectares rehab areas as of CY 2020 through practice of progressive mine rehabilitation are regularly conducted.</p> <p>Slope stabilization and put-up of boulder toes are being practiced. Good/defined drainage</p>

<p>gullies, creeks, rivers and settling ponds within the Project site;</p> <p>c. Using the recovered topsoil and overburden materials for re-soiling or as soil cover for rehabilitation of the mined-out areas, waste dumps, and other disturbed areas, as well as for landscaping of designated suitable areas. Stockpiling should be maintained at not more than three(3) meters high and stabilized by vegetation to protect it from erosion;</p> <p>d. Proper stockpiling and disposal of the overburden and waste materials generated from the mining operations, silt materials scooped-out from the settling ponds, and other solid waste in permanent, stabilized areas away from any water body and drainage systems, and maintaining them in safe and non-polluting conditions;</p>	<p>✓</p> <p>✓</p>	<p>systems for the open pit were established and continuously being maintained. Five siltation ponds including series of Silt Containment Sumps (SCS) are being maintained.</p> <p>Overburden materials and top soils are collected/recovered and are being used as matting in the rehabilitation of mined-out areas as well as in the maintenance of Sanitary Landfill.</p> <p>Overburden, solid waste and other waste materials are stored, disposed and managed accordingly. A total of 124.95 metric tons of solid wastes was produced for 2nd semester 2021.</p> <p>Silt recovery is being practiced.</p> <p>Silt materials were dredged from siltation ponds, SCS and canals which were stored in designated areas.</p>
<p>2. Implementation of an intensive and effective Information, Education and Communication (IEC) Program to inform and educate all stakeholders, particularly the local residents, about the Project, its impacts, the corresponding mitigating measures, as embodied in the EPRMP and the conditions stipulated in this Certificate for greater awareness, understanding and sustained acceptance of the Project. The proponent shall implement an annual detailed IEC program in coordination with the Mines and Geosciences Bureau (MGB) Region IVB and EMB Region IVB;</p>	<p>✓</p>	<p>Continuous IEC activities are being conducted still with regulated number of audiences and participants in conformance with Covid-19 prevention measures. The company continuously carries-out information drive activities relative to environmental awareness.</p> <p>Conducted Environmental Orientation to a total of 21 newly hired employees and 61 employees of contractors and accommodated a total of 85 visitors for 2nd semester 2021. Continuous implementation of the company's mine wide Adopt-a-Forest and Foster-a-Tree Programs were also being conducted.</p> <p>3rd Quarter 2021. Covers the attendance/presentations during virtual presentations/meetings:</p> <ul style="list-style-type: none"> ✓ Plant Practice Program 2021 Seminars of UP Department of Mining, Metallurgical, and Materials Engineering (UP DMMME) on July 23, 2021; ✓ Keeping MIMAROPA Green: Protecting the Wildlife and Natural Environment during the #MineResponsibility MIMAROPA Stakeholder's Forum: The Future is Mine on September 16, 2021 <p>and celebration of the International Coastal Cleanup (ICC) Day thru coastal cleanup drive in Sitio Marabahay, Barangay Rio Tuba in partnership with CENRO Brooke's Point and other local civic groups on September 18.</p> <p>4th Quarter 2021. Covers the culmination activity</p>

			<p>of RTN's Edible Landscaping Contest on December 14, 2021 wherein winning entries received cash and tokens and conduct of Environmental Youth Forum on December 13 in partnership with CENRO Brooke's Point participated by Sangguniang Kabataan Officials from the twenty-two (22) barangays of Bataraza.</p> <p>Note: The Company also utilizes Social Media Platforms to provide information and/or updates re: its operations, significant activities and accomplishments. Significant updates re: Environment, Safety and Health and Social Development Projects/Programs/Activities of the company are regularly posted. RTN stories were also published online thru Palawan News which significantly helps in disseminating information re: the company and its impact to the community and the environment.</p>
3. Implementation of climate change initiatives including reforestation (may include available areas outside the MPSA) to mitigate greenhouse gas (GHG) emissions of the Project in line with the DENR's thrust for GHG emission reduction programs. The program shall be done in coordination with CENRO having jurisdiction over the area and submitted to EMB CO sixty (60) days upon receipt of this certificate;	✓		<p>RTNMC is continuously working on minimizing its Carbon Footprint through:</p> <ul style="list-style-type: none"> a. Efficient use of energy and resources; b. Progressive rehabilitation within its mined-out area with a total of 196.64 hectares; c. Establishment and maintenance of 659.27 hectares plantations through the National Greening Program; d. Continuous monitoring of GHG emissions vis-à-vis sequestration capacity
4. The proponent shall conduct socio-economic impact study one year prior to submission of new SDMP;	✓		The Social Impact Assessment (SIA) was conducted in 2018.
5. The Proponent shall undertake 100% forest inventory of all forested portions/patches and every five (5) years thereafter, the results of which shall be submitted to the EMB;	✓		The conduct of timber inventory was already completed in March 2019 and the Timber Inventory Report was already submitted and received by EMB CO, EMB MIMAROPA and MGB MIMAROPA last 16 September 2019.
6. A Watershed Management Plan shall be prepared in coordination with the DENR Regional Units and submitted to the FMB for review and endorsed to the Office of the Undersecretary for Environment and Programs Development for approval. A status report on the implementation of the same including an inventory of each tree species shall be submitted every year thereafter.	✓		The Company is setting up for the updating and revision of the initially prepared Watershed Management Plan this CY 2021. A copy of the existing WMP was already resubmitted to DENR MIMAROPA thru CENRO Brooke's Point and PENRO Palawan for appropriate review on 22 November 2018. Possible revision will be done in coordination with the agencies concerned.
7. The proponent shall continue to monitor the aquatic biota of all surface water resources in the area;	✓		The 2021 Aquatic Resource Assessment was conducted by Gaia South Inc. on 8-12 January 2021.
GENERAL CONDITIONS			
8. The mining operation shall conform with the provisions of 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), and RA 9275 (Philippine Clean Water Act of 2004);	✓		Provisions of the applicable laws and regulations were complied. Renewal of the company's Discharge Permit is ongoing with Application No. 137368. Additional requirements were relayed to the Company thru OPMS on 6 January 2022.

<p>9. The proponent shall comply with the environmental management and protection requirements of the pertinent provisions of the Philippine Mining Act of 1995 (RA 7942 and its Consolidated Implementing Rules and Regulations (DAO 2010-21), as well as the pertinent provisions of the Memorandum of Agreement (MOA) between the EMB and MGB executed on 16 April 1998, such as, but not limited to, the following:</p> <p>a. Submission of a revised Environmental Protection and Enhancement Program (EPEP) integrating the Final Mine Rehabilitation and/or Decommissioning Plan (FMR/DP)</p> <p>b. Setting up of a Contingent Liability and Rehabilitation Fund (CLRF) and Environment Trust Fund (ETF);</p> <p>c. Maintain the Mine Environmental Protection and Enhancement Office (MEPEO) to competently handle the environment-related aspect of the Project. In addition to the monitoring requirements as prescribed under the rules and regulations of the Philippine EIS System, the MEPEO shall also monitor the actual Project impacts vis-à-vis the predicted impacts and management measures identify in the EPRMP including the regular submission of Compliance Monitoring Report (CMR) in accordance with the prescribed format;</p> <p>d. Continuance of a Mine Rehabilitation Fund Committee (MRFC) and a Multipartite Monitoring Team (MMT). A local DOH representative shall be included as member in the MMT;</p> <p>e. Submission of a Social Development and Management Program (SDMP) to the MGB Region IVB for approval, prior to Project implementation. The EMB shall be furnished with the SDMP within thirty (30) days from its approval;</p> <p>f. Continuance of a Community Relations Officer (CRO);</p>	<p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p> <p>✓</p>	<p>The revised FMRDP was submitted to MGB MIMAROPA on 17 May 2013 and was approved on August 2016. The EPEP integrating the AMA-IVB-144A and the existing MPSA 114-98-IV was submitted to MGB MIMAROPA on 11 February 2019.</p> <p>CLRF and ETF are established and maintained. All mandatory fund lodgings were secured per submitted bank statement.</p> <p>EnP Janice M. Tupas is the designated MEPEO of RTNMC. The company has accredited Pollution Control Officers and trained Environmental Assistants under the Pollution Control Section and a registered Forester in the Mine Rehabilitation and Reforestation Section.</p> <p>Recent MMT Validation 3rd Quarter 2021: 14-21 November 2021 4th Quarter 2021: 20-27 February 2022</p> <p>Recent MRFC Meeting via zoom – 29 September 2021 and 13 January 2022</p> <p>There are fifteen (15) MMT members being maintained including a representative from DOH and religious sector.</p> <p>SDMP was submitted and approved with corresponding COA No. SDMP 4-MGBMIMAROPA-2019-02. The 2021 Annual SDMP was approved by MGB MIMAROPA with COA No. ASDMP # 2021-03-MIMAROPA (4th).</p> <p>Mr. Reynaldo M. Dela Rosa is the designated Community Relations Officer (CRO).</p>
<p>10. The proponent shall ensure that its contractors and subcontractors properly comply with the relevant conditions of this Certificate;</p>	<p>✓</p>	<p>Complied and maintained.</p>

11. The proponent shall protect the headwaters and natural springs/wells within the Project site that are being utilized as sources of potable water by the community. Should the development activities affect the headwaters and natural springs/wells, the proponent shall immediately provide alternative sources of potable water to the affected community.	✓		The Umawi River System which is the source of potable and domestic water of the local community is being protected and maintained by RTNMC.
II. RESTRICTIONS			
12. Open pit or surface mining method, without blasting, shall be utilized in ore extraction;	✓		Complied and maintained.
13. Transfer of ownership of the project carries the same conditions and restrictions for which written notification must be made by herein grantee to EMB within fifteen (15) days from such transfer.	✓		No transfer of ownership yet.
III. OTHER REGULATORY REQUIREMENTS			
1. Compliance with the Sanitation Code of the Philippines	✓		<p>The Sanitary Permit issued by the Municipal Health Office of the Municipality of Bataraza is valid until 31 December 2021.</p> <p>The Certificate of Potability for drinking water supply on the other hand was issued by the Municipal Health Office (MHO) on 22 December 2020 and is valid for one (1) year.</p> <p>Renewal of the aforementioned certificates is ongoing.</p>
2. Compliance with the Labor Code of the Philippines	✓		Complied and maintained.
3. Compliance with the Building Code of the Philippines	✓		Building Permits were secured and valid.
4. Provision of proper storm drainage canal, concrete culverts, and other flood control measures to adequately receiving bodies of water	✓		Storm drainage canal, concrete culverts, and other flood control measures are generally well-maintained. Five (5) silt containment ponds and sixteen (16) active silt collector sumps in place. Discharge Station was concreted and improved.
5. Securing of water permit for the allocation of water supply	✓		NWRB Water Permit No. 159 was issued on 16 June 1975 and annual payment of dues is facilitated regularly. Annual dues amounting to ₱11,600.00 was paid on 25 March 2021.
6. Implementation of a detailed Traffic Management Plan	✓		Traffic Management at main haulage road is handled by LGU Rio Tuba and assisted by the Admin and Safety Office specifically the Safety and Security at Macadam Road. RTNMC is also providing logistics for the Traffic Management Program. RTNMC and CBNC worked on the expansion and improvement of haulage road through concreting all 4 lanes of Macadam Road.
7. Implementation of Solid Waste Management System	✓		Waste segregation, recycling and retrieval within the RTNMC Mine Site are being managed by RTNMC. The Operation of Sanitary Landfill is also being managed by the Company in coordination with CBNC. Materials Recovery Facility was also established and an Integrated Waste

			Management Program for RTNMC controlled areas is in practice.
8. Securing of tree cutting permit	✓		A Special Tree Cutting and Earth-balling Permit (STCEP) was issued by DENR on 3 May 2021 with certificate No. RIVB-15-2021 for its Umawi operation.
IV. ENVIRONMENTAL PLANNING RECOMMENDATIONS FOR THE PROPONENT			
9. Priority of employment be given to qualified local residents. Adequate public information for jobs available to local residents in the affected areas needs to be provided.	✓		Complied. As of 31 December 2021, 66.7% of RTNMC's regular employees are from the Municipality of Bataraza and 21.7% are from Puerto Princesa City and other municipalities within Palawan while the remaining 11.5% are from Metro Manila and other provinces.
10. An independent third party auditor be commissioned to undertake an environmental audit, including a continuing study on the effects of the Project on the health of the workers and affected residents, particularly women and children. The result of the third party environmental audit, including the auditing of risks and hazards of the Project, shall be submitted to EMB and the MGB, while the result of the continuing health study shall be submitted, every two (2) years, to the Department of Health (DOH).	✓		The Environmental Audit was conducted by the Gaia South, Inc. last 12-15 September 2019. Per presented document (receiving copy), hard copy of the report was already submitted and received by MGB on 3 March 2021. Copy of which was also submitted to EMB. The Environmental Health Impact Assessment (EHIA) on the other hand was conducted on 22-27 October 2019.

B.2. Compliance to Impact Management Commitments in EIA Report & EPEP

Directions: The MMT shall check compliance of the Proponent to the commitments made in the EMP.

Refer to attached 3rd and 4th quarter AEPEP CMVR and Photodocumentations

C. REHABILITATION

Refer to attached Mining Forest Program and National Greening Program Validation Reports and Photodocumentations

D. AIR QUALITY IMPACT ASSESSMENT

Sampling Location 1: Pier Stockyard A

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
1. TSP (µG/Ncm)			39	17			300	Passed
Date/time of sampling: July 22, 2021; November 15, 2021								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Rio Tuba Nickel Silicate Ore Project 2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B

Sampling Location 2: RTN Oval

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
1. TSP (µG/Ncm)			November 16, 2021 6:04 AM – 7:04 AM = 41 11:56 AM – 12:56 PM = 36 6:05 PM – 7:05 PM = 58 11:58 PM – 12:58 AM = 72	23			230	Passed
Date/time of sampling: July 22, 2021; November 16, 2021								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Sampling Location 3: Upper Kinurong

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
1. TSP (µG/Ncm)				15			300	Passed
Date/time of sampling: July 20, 2021;								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Sampling Location 5: Tagpisa Area

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Limit (DENR Int'l Stds)	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
1. TSP (µG/Ncm)				15			300	Passed
Date/time of sampling: July 20, 2021;								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Overall Air Quality Impact Assessment:

All results are within the standards

E. WATER QUALITY IMPACT ASSESSMENT

**Note: Confirmatory Sampling (re-sampling activities) were conducted due to exceedances on the amount of Chromium Hexavalent (Cr^{6+}) present in the water samples collected during the 3rd quarter 2021 MMT sampling activities in certain stations. Results indicated in the following tables for Cr^{6+} of Stations 4-7 are based on the laboratory results of the confirmatory sampling (re-sampling activities) c/o Ostrea Mineral Laboratories, Inc.*

Sampling Location 1: Upper Tagpisa (RTNMC Control Station)

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Water Quality Criteria (DAO 2016-08) Class C	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
pH			7.92	8.33			6.5-9.0	within the criteria
TSS, mg/L			4	2			80	within the criteria
As, mg/L			<0.0007	<0.0007			0.02	within the criteria
Cd, mg/L			<0.003	<0.003			0.005	within the criteria
Pb, mg/L			<0.01	<0.01			0.05	within the criteria
Mn, mg/L			0.007	<0.003			0.02	within the criteria
Ni, mg/L			0.08	0.07			0.2	within the criteria
Cr ⁶⁺ , mg/L			<0.01	0.01			0.02	within the criteria
Date/time of sampling: July 21, 2021; November 18, 2021								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Sampling Location 4: Lower Kinurong Siltation Pond Discharge

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Water Quality Criteria (DAO 2016-08) Class SC	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
pH			8.23	8.69			6.5-9.0	within the criteria
TSS, mg/L			5	4			100	within the criteria
As, mg/L			<0.0007	<0.0007			0.04	within the criteria
Cd, mg/L			<0.003	<0.003			0.01	within the criteria
Pb, mg/L			<0.01	<0.01			0.1	within the criteria
Mn, mg/L			0.005	<0.003			4	within the criteria
Ni, mg/L			<0.02	<0.02			0.3	within the criteria
Cr ⁶⁺ , mg/L			0.04	0.03			0.1	within the criteria
Date/time of sampling: July 21, 2021; November 18, 2021								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Rio Tuba Nickel Silicate Ore Project 2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B

Sampling Location 5: Lower Togpon Siltation Pond Discharge

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Water Quality Criteria (DAO 2016-08) Class SC	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
pH			6.86	8.60			6.5-9.0	within the criteria
TSS, mg/L			20	4			100	within the criteria
As, mg/L			<0.0007	<0.0007			0.04	within the criteria
Cd, mg/L			<0.003	<0.003			0.01	within the criteria
Pb, mg/L			<0.01	<0.01			0.1	within the criteria
Mn, mg/L			0.220	0.110			4	within the criteria
Ni, mg/L			0.30	0.07			0.3	within the criteria
Cr ⁶⁺ , mg/L			<0.01	<0.01			0.1	within the criteria
Date/time of sampling: July 21, 2021; November 18, 2021								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Sampling Location 6: Confluence of S4 and S5 (Confluence of Togpon-Kinurong Siltation Pond Discharge)

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Water Quality Criteria (DAO 2016-08) Class SC	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
pH			8.21	8.62			6.5-9.0	within the criteria
TSS, mg/L			12	4			100	within the criteria
As, mg/L			<0.0007	<0.0007			0.04	within the criteria
Cd, mg/L			<0.003	<0.003			0.01	within the criteria
Pb, mg/L			<0.01	<0.01			0.1	within the criteria
Mn, mg/L			0.109	0.094			4	within the criteria
Ni, mg/L			0.13	0.05			0.3	within the criteria
Cr ⁶⁺ , mg/L			0.02	0.04			0.1	within the criteria
Date/time of sampling: July 21, 2021; November 18, 2021								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Rio Tuba Nickel Silicate Ore Project 2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B

Sampling Location 7: RTNMC Effluent

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Water Quality Criteria (DAO 2016-08) Class C	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
pH			8.18	8.70			6.5-9.0	within the criteria
TSS, mg/L			17	3			100	within the criteria
As, mg/L			<0.0007	<0.0007			0.04	within the criteria
Cd, mg/L			<0.003	<0.003			0.01	within the criteria
Pb, mg/L			<0.01	<0.01			0.1	within the criteria
Mn, mg/L			0.130	0.033			4	within the criteria
Ni, mg/L			0.10	<0.02			0.3	within the criteria
Cr ⁶⁺ , mg/L			0.04	0.03			0.1	within the criteria
Date/time of sampling: July 21, 2021; November 18, 2021								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

Sampling Location 8: Rio Tuba Tributary (Receiving Water Body of RTNMC Effluent)

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Water Quality Criteria (DAO 2016-08) Class SC	
	Current 4Q21	Previous 3Q21	Current 4Q21	Previous 3Q21				
pH			7.82	8.04			6.5-8.5	within the criteria
TSS, mg/L			5	10			100	within the criteria
As, mg/L			<0.0007	<0.0007			0.04	within the criteria
Cd, mg/L			<0.003	0.025			0.01	within the criteria
Pb, mg/L			<0.01	<0.01			0.1	within the criteria
Mn, mg/L			<0.003	<0.003			4	within the criteria
Ni, mg/L			0.14	<0.02			0.3	within the criteria
Cr ⁶⁺ , mg/L			<0.01	<0.01			0.1	within the criteria
Date/time of sampling: July 21, 2021; November 18, 2021								
Weather and wind direction:								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station:								

- EQPL-Environmental Quality Performance Level
 - Alert of Red Flag-early warning
 - Action Level-point where management measures must be employed to reverse deterioration to pre-impact or optimum environmental quality
 - Limit Level-regulated threshold of pollutant (standard that must not be exceeded)

Overall Water Quality Impact Assessment:

All monitoring results are within the standards

F. 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?		Remarks (As of end of January 2022)
	Handling	Storage	Disposal	Yes	No	
I101 – Used oil	Collected thru oil-water separators and contained in steel drums with proper label.	Stored in THWSF with compartments, adequate ventilation, signage, oil spill kit, Emergency shower and eyewash station and fire extinguishers.	Hauled and treated by DENR accredited haulers and treaters	✓		46.84 MT currently stored in THWSF.
I102 – Vegetable Oil including Sludge				✓		0.3 MT currently stored in THWSF.
I104 – Oil-contaminated Rags	Contained in steel drums with proper label	Stored in THWSF with compartments, adequate ventilation, signage, oil spill kit, and fire hydrants.		✓		12.165 MT currently stored in THWSF.
D406 – Used Lead Acid Batteries (Lead compounds)	Contained in steel drums with proper label	Stored in THWSF with compartments, adequate ventilation, signage, oil spill kit, and fire hydrants.		✓		17.26016 MT currently stored in THWSF.
D407 – Busted fluorescent lamps (mercury and mercury compounds)	Contained in wooden crate with proper label	Stored in THWSF with compartments, adequate ventilation, signage, oil spill kit, and fire hydrants.		✓		0.4155 MT currently stored in THWSF.
F699-Paint Residue (other mixed)				✓		1.512 MT currently stored in THWSF.
M506-Waste Electronics				✓		2.68 MT currently stored in THWSF
J201-Containers				✓		0.1201 MT currently stored in THWSF.
M501-Clinical Waste				✓		0.011 MT currently stored in THWSF.

Rio Tuba Nickel Silicate Ore Project 2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B

Residual wastes	Color-coded trash cans/bins were distributed at the mine, plant and town sites with proper label for solid waste sorting.	Garbage trucks and compactors pick up the garbage and dump to GP-28, the designated sanitary landfill (SLF) which is a mined-out pit of RTNMC.	Garbage dump to the SLF are covered with soil twice a week.	✓		Total volume of residual wastes generated for the 2 nd semester 2021 is 14.39 MT. NO PLASTIC policy is continuously being implemented to minimize unnecessary plastic generation.
Recyclable		Other recyclable materials are recovered and diverted from waste stream through an MRF located at the SLF		✓		Total volume of recyclables generated for the 2 nd semester 2021 is 93.34 MT.
Biodegradable		Biodegradable wastes are stored in the Composting Facility		✓		Total volume of biodegradable wastes generated for the 2 nd semester 2021 is 17.22 MT. There is also a designated area in the CSLF intended for Biodegradable wastes.
Hospital/Medical	Regular hauling by authorized personnel	Waste vault	Vault	✓		The hospital wastes are stored and/or disposed once a week and/or depending on amount of waste generated in the septic vault inside the Landfill area.

G. Compliance with good practices in Chemical Safety Management (for those companies using/producing Chemicals listed in EMB's PCL & CCO List)

Chemicals in PCL and CCO	Adequate?* (Put/If Adequate)				Remark
	Risk Management	Training	Handling	Emergency Preparedness	
L404 - PCB/Non-PCB Equipment (3 units PCB Equipment w/ unknown weight; 0.245 MT PCB) Contaminated Equipment and 1.15 MT Non-PCB Equipment*	Adequate	Adequate	Adequate	Adequate	*Based on updated PCB Inventory.

H. complaints Verifications and Management

Date Filed	Filed Where? (pls. check)				Nature of Complaint	Resolutions Made
	DENR	Company	MMT	Others, Specify		
None						




Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
MIMAROPA Region
7/F DENR Building, 1515 Roxas Boulevard, Ermita, Manila
Telefax No. (+632) 536-0215 / (+632) 310-1369
Email: region4b@mgb.gov.ph

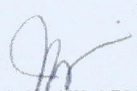



MMT MONITORING REPORT

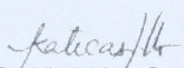
Name of Company: **Rio Tuba Nickel Mining Corp. (RTNMC)**
Name of Project: **Rio Tuba Nickel Mining Project**
Location: **Brgy. Rio Tuba, Bataraza, Palawan**
Date of Monitoring: **November 15 – 20, 2021** Control No. **3Q21 RTNMC-Nicke**
Monitored by: **Multi-Partite Monitoring Team (MMT)**

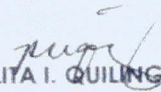



JOEL V. BALQUIEDRA
MGB MIMAROPA



MERLINDA V. HILARIO
PCSDS

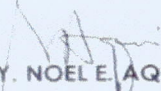

CONRADO M. CORPUZ
CENRO – Brooke's Point

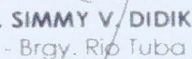

KATE GABRIELLE L. CASTILLO
MGB MIMAROPA

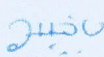

PERLITA I. QUILING
PCSDS

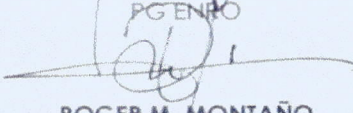

SAMUEL B. CALIGDONG
BFAR

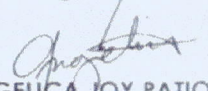

INOCENCIO C. MAGALLANES
NGO – Haribon Palawan


ATTY. NOEL E. AQUINO
PG/ENRO


HON. SIMMY V. DIDIK
LGU - Brgy. Rio Tuba


JANICE M. TUPAS
MEPEO RTNMC


ROGER M. MONTAÑO
AVPP


ANGELICA JOY PATIO
IP/ICC

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MINES AND GEOSCIENCES BUREAU
MIMAROPA Region
7/F DENR Building, 1515 Roxas Boulevard, Ermita, Manila
Telefax No. (+632) 536-0215 / (+632) 310-1369
Email: region4b@mgb.gov.ph




MMT MONITORING REPORT


Name of Company: **Rio Tuba Nickel Mining Corp. (RTNMC)**
Name of Project: **Rio Tuba Nickel Mining Project**
Location: **Brgy. Rio Tuba, Bataraza, Palawan**
Date of Monitoring: **February 21 – 26, 2022** Control No. **4Q21 RTNMC-Nickel**
Monitored by: **Multi-Partite Monitoring Team (MMT)**







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MGB MIMAROPA

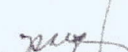

KATE GABRIELLE L. CASTILLO
MGB MIMAROPA

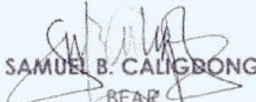

SHAKYA KHIHEL I. BELMONTE
MGB MIMAROPA

INOCENCIO C. MAGALLANES
NGO – Haribon Palawan

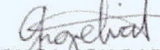

JANICE M. TUPAS
MEPEO/PCO


ANA MARIA G. ACOSTA
PCSDS

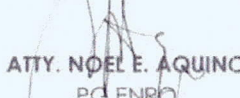

PERLITA I. QUILING
PCSDS

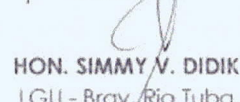

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NELSON C. VIRGO
PHO

"MINING SHALL BE PRO-PEOPLE AND PRO-ENVIRONMENT
IN SUSTAINING WEALTH CREATION AND IMPROVED QUALITY OF LIFE."

MINING FOREST PROGRAM (MFP) Validation Report (as of September 2021)

(JULY 2021 TO DECEMBER 2021)

MPSA-114-98-IVB

I. NAME OF COMPANY : Rio Tuba Nickel Mining Corporation
Location : Rio Tuba, Bataraza, Palawan
Year MFP was Initiated : 1998

II. ACCOMPLISHMENTS:

A. DEVELOPMENT PLANS: ☐ Long-Range Plan ☒ Annual Plan
(Attach photocopy(ies))

B. NURSERY OPERATIONS:
☒ Own Nursery ☐ Joint Venture ☐ Acquired from Other Sources

Name of Nursery	Area (m ²)	Capacity (No. of Seedlings Produced)*
RTN Central Nursery (EEI area)	10,000	200,000 - 250,000 (49,223)
Mangingidong Satellite Nursery (MP-O17)	10,000	200,000 - 250,000

*At least 1-ft plantable size

Seedling Inventory for the 1st Semester 2021

No. of Seedlings			No. of Seedlings Out-Planted/Disposal					Balance in Stock
Previous Stock	Produced	Total	Planted	Replanted	Enrichment	Donation	Mortality	
182,490	49,223	231,713	0	353	3,395	0	6,586	221,379 ^a

^aNote: Seedling Stock as of September 2021

C. EXTENT OF PLANTED AREAS (ha)	NGP	REHAB	TOTAL
Total Area Planted to Date	: 659.27has	196.64 has	855.91has
Previous Plantations	: 659.27has	196.64 has	855.91has
New Plantations or Expansions	: 0 has	0 has	0has

(Attach a reforestation map of scale 1:25,000 showing distinctly the previous plantations from the new plantations or expansions.)

NGP Accomplishment:

Year	Reforestation Establishment (ha.)	Donation (ha.) (No. Seedlings donated/500= No. of Hectares)	Total
2011			No available data
2012	216.6		216.6
2013	346.23		346.23
2016-2018	53.00		53.00
2018-2019	43.44		43.44
Grand Total			659.27

Note: NGP for mine sector is only from 2011-2013 based on MGB Memorandum Order 2012-01.

Donated seedlings under NGP

Year	No. of Seedlings	Remarks
2014	55,500	
2015	1,180	
2016	15,789	
2017	1,060	
2018	4,253	
2019	13,213	
2020	10,648	
2021 (1 st Semester)	1,250	Donated to MENRO-Bataraza and Private individuals
TOTAL	102,893	

D. DISTURBED AREAS (ha)

1. Areas directly affected by the operations
(Itemize all areas in a separate sheet.)

Particulars	Within 990 hectares original MPSA	Within 4,538.44 hectares Amended MPSA
	Area (has.)	Area (has.)
1. Inactive Tenement Area/s (Untouched)	325.77	3,355.41
2. Active Tenement Area/s	68.03	68.03
3. RTN Ancillary Area	279.17	579.05
<i>Rehabilitated/Reforested as of September 30, 2021</i>	<i>196.64</i>	<i>199.64</i>
4. CBNC and GPI within RTN MPSA	317.03	519.15
5. National Highway		16.80
Total	990.00	4,538.44

2. Environmental Incidence Resulting to Damages

	Yes	Area Affected (ha)	No
a. Tailing's dam failure			X
b. Waste dump failure			X
c. Shrinkage/subsidence			X
d. Induced slides			X
e. Others (specify)			X
T o t a l			

(Note: Exclude areas that were previously rehabilitated.)

E. MAINTENANCE AND PROTECTION**1. Plantation Activities**

	Plantation Category							
	Old (<JJ18)	New						Grand Total
		Recent				Latest JD21-JJ22	Total (Recent + Latest)	
		JD18-JJ19	JD19-JJ20	JD20-JJ21	Sub-Total			
No. of seedlings planted	1,124,297	111,907	73,011	15,650	200,568	0	200,568	1,324,865
No. of sdlngs/ trees re-planted	258,068	21,585	12,801	2,201	36,587	0	36,587	200,620
No. of surviving trees	940,647 ^b	106,207 ^c	66,710	13,449	186,366	0	186,366	1,127,013
Survival rate	84.85	94.11	91.17	86.44	92.47	0	92.47	85.72

^bNote: 983 seedlings were enriched at GP-I23 and GP-J23

^cNote: 1,785 seedlings were enriched in MP-M15, M18, O15 and M17

(Note: For old plantation, consider four (4)-year old growth and above.

For recent plantation, consider one (1)-year to three (3)-year old growth.

For latest plantation, consider those for the periods July-Dec. of the previous year and/or Jan.-June of the current year.

2. No. of Persons Involved

- a) No. of Company Forester: One (1)
- b) No. of Forestry Technician: Two (2)
- c) No. of DENRO: Four (4)
- d) No. of rehabilitation/reforestation helper: 21 (16 Males; 5 Females)
- e) No. of local residents involved (community involvement): 10 (Jedith Seedling Grower and Trading by Ms. Jedith T. Paalan), 200 (RTN and RTNFI employees participated in Foster-A-Tree and Adopt-A-Forest Program)
- f) Mine operation for backfilling & land preparation

3. Maintenance and Protection

Maintenance and Protection (Rehabilitation Areas)	Yes	No	Coverage (ha)
Control of forest fires by establishment and construction of fireline/firebreaks/fire towers		✓	
Brushing/weeding/mulching/pruning (MP-P16)	✓		3.0
Fertilizer/lime/pesticide/chemical application (MP-P16, MP-M18, MP-M15, MP-O15, GP-I23, GP-J23)	✓		55.0
Water spraying at Rehab areas (MP-P16)	✓		3.0
Control of forest pests and diseases		✓	No indication of pests & diseases
Patrol work (all rehabilitation areas)	✓		196.64
Forest law enforcement (all rehabilitation areas)	✓		196.64

Maintenance and Protection (Reforestation Areas)	Yes	No	Coverage (ha)
Control of forest fires by establishment and construction of fireline/firebreaks/fire towers	✓		0.75 Maintenance of fire line at So. Tagpisa Coffee Plantation
Brushing/weeding/mulching/pruning (Coffee Plantation)	✓		53.0
Fertilizer/lime/pesticide/chemical application (Coffee Plantation)	✓		53.0
Water spraying (Coffee Plantations)		✓	
Control of forest pests and diseases		✓	No indication of pests & diseases
Patrol work (all reforestation areas)	✓		659.27
Forest law enforcement (all reforestation areas)	✓		659.27

F. OTHER ENVIRONMENTAL FACTORS

1. Species Diversity

Species Diversity				
Tree Species	Spacing (m x m)	Tree Species	Spacing (m x m)	
Narra	Pioneer Species 2m x 2m	Kalumpang	For replacement/ enrichment (2mx2m)	
Ipil		Malakatmon		
Amugis		Palawan Apitong		
Malakatmon		Bignay		
Batino		Sampalok		
Kupang		Bitag		
Tongkat Ali		Bolong eta		
Palawan Agoho		Palomaria		
Bamboo		Paringring		
Badak		Marangob		
Marang	Pal. Mancono	2.5m x 2.5m		
Rambutan	Putian/Amayan			
Bignay	Arupag			
Kalamansi	Manglas			
Durian	Duhat			
Langka	Makopa			
Lanzones	Kurisom			
Kastanyas	Bunog			
Guava	Pamitoyen			
Avocado	Bangkal			
Makopa	Banaba			
Bamboo	Ipil			
Udling	For replacement/ enrichment (2mx2m)	Amugis		
Grass Species/Vines/Shrubs/Ornamental (slope and stockpile greening, cover plants, Landscaping)				
Grass Species	Spacing (ft x ft)	Grass Species	Spacing (ft x ft)	
Langkawas	1.0 x 1.0	Pandan	1.0 x 1.0	
Tikog-Tikog		Fern Species		

Tea Plant		Batbat	
Rattan		Pitcher Plant	

2. Research/Studies on reforestation conducted:

Is there any research/study on reforestation conducted?

/ / (Attach copy(ies).) /\ / None

Only maintenance and continuous monitoring of the growth and survival of species planted at the Demo plot.

3. IEC on reforestation:

Are there any IEC activities (in the form of publication, public dissemination, lectures, etc.) initiated for the Community? Yes

(Attach photocopy/ies of publication and other IEC papers.)

- IEC in the form of interactive discussions and mine tour around the mine site, rehabilitation, and reforestation areas are continuously done to RTN employees, various local and international interested parties visiting the site. For 3rd Quarter of the year, the Department had recorded 185 individuals that visited in the Company's mine rehabilitation and reforestation areas, including Mayor Odi and Party, NCIP Palawan and Brooke's Point, New Commanding Officer of MBLT-4, Contractors and locales.

4. Services to the Community

Is there any reforestation assistance extended by the Company to the Community during the period under review? Yes

- **Community-based Reforestation Program:**

Objective: The reforestation program seeks to empower local communities through getting involved in the reforestation activities by using their indigenous knowledge in identification and selection of local plants to ensure endemism, planting activity, care and protection activities of the plantations.

Target: The program prioritizes the services of the local community especially the IP groups through a contract and project-based system for the principal activities of the rehabilitation from seedlings production to care and maintenance activities of the plantations.

Status: The Company tapped the services of two (2) local plant producers for the propagation of planting materials to be used in rehabilitation and reforestation activities and bamboo plantation.

- **"Foster-A-Tree, Make-A-Legacy":**

Objective: To involve all RTN stakeholders in the seedling nurturing activity by rearing indigenous and/or local fruit and forest tree species.

Target: Each employee has to rear and donate the following numbers of fruit and forest tree seedlings: minimum of 20 seedlings for RTN regular employee; minimum of 10 seedlings for RTN non-regular employee; and minimum of 5 seedlings for every employee of RTN stakeholders (i.e., contractors). The seedlings will be planted in mined-out rehabilitation areas and other sparsely vegetated areas within Bataraza, in partnership with Local Government Unit.

Status: A total of 2,768 forest and fruit tree species were turned over by employees for the quarter.

- **"Adopt-A-Forest Project":**

Objective: The program aims to increase awareness and encourage everyone's moral responsibility to nature through actual involvement in the rehabilitation activities of the Company.

Target: Each Department/Office of RTN has adopted rehabilitated area for them to care and maintain. The care and maintenance activities include enrichment planting, watering, fertilizer application, and soil cultivation and amelioration.

Status: Eight (8) departments have conducted planting and maintenance activities their respective adopted rehab area.

- **Coffee Plantation:**

Objective: Create an ecologically and economically sustainable agriculture industry through establishment of community-based Liberica Coffee Plantation.

Target: To provide livelihood opportunities to stakeholders by turning-over the management of plantation to organized cooperative whose members are locals of Rio Tuba.

Status: The harvest of coffee cherries for this year's season has started in September. See below table for the details of the coffee harvest and processing:

Date	Harvest (kg.)	Sundried (kg.)		Processed (kg.)	
	Ripe berries	W/ Pulp	De-pulped	Green Beans	Ground Coffee
2020	2,253.0	-	-	-	29.334
(Jan-June 2021)	3,804.5	83.00	332.0	159.0	60.55
July – September 2021	44.5	-	41.0	-	26.0
Total to date	6,112.0	83.0	373.0	159.0	115.9

- **Edible Landscaping Contest:**

Objective: The contest aims for the productivity of idle areas and promote conservation by planting local and native fruit-bearing and forest tree species; to help improve the ecosystem by creating habitats for faunal species especially avifauna and pollinators; and to foster a creative community in which people can contribute their skills and share knowledge/ideas.

Target: This year's version of Edible Landscaping Contest is Bataraza-wide that will feature community gardening in each barangay. The primary crops that will be planted in the garden are perennial crops such as fruit and forest trees at minimum of 250 seedlings per entry.

Status: The contest has 40 participants that composed of various groups and individuals. First evaluation was conducted last September 21-23, 2021 while final judging will be conducted on December 2021.

- **Mangrove Project:**

Objective: The Mangrove Protection and Maintenance Project of RTNMC aims to engage the community (PO's) concerning protection and conservation of mangrove ecosystem and also to have an alternative source of income by propagating and planting mangrove species diverting from their previous charcoal making and trading activities.

Target: The Company will continuously care and maintain the 43.44 hectares of mangrove area located at So. Bongkol-Bongkol (11 has), So. Kinurong (10 has), So. Bukid-Bukid (21 has) and Igang-Igang (1.44 has) by replanting, enrichment and patrolling.

Status: Continuous conduct of patrolling.

5. Other Conservation Measures

- a. Landscaping of mine and/or plant site surroundings?
Yes ☒ Area ___ has. No ☐

Landscaping works were conducted in MP-P16 and Plantsite Gate

- b. Use of vines and grasses for planting/rehabilitation?

Yes ☒ Area has. No

Enrichment planting of 3,395 grass and shrubs species (e.i. Ferns, Banana Sucker, *Langkawas*, *Tikog-Tikog*, Pitcher Plant, Pandan, Bikal) in rehabilitated and slope areas located in Mangingidong rehabilitation area particularly in Blocks M15.

c. Establishment of Drip Irrigation System?

Yes ☒ Area: 1.5 has. No

d. Establishment of Demo Plot?

Yes ☒ Area: 1.0 ha No.

Demo plot of the Trace Elements Accumulating Metallophytes (TEAM) research is continuously being maintained by conducting brushing/stripping, and weeding activities.

e. Application of fertilizers?

Yes ☒ No

RTN utilizes the following natural soil conditioner to augment the quality of soil in its mined-out rehabilitation areas:

a. Chicken dung – 140.36 tons

b. Vermi compost – 0.75 tons

f. Establishment of vermicomposting Facility

Yes ☒ No

A 4-bed vermicomposting facility was established in Central Nursery. The substrates were composed of cow dung, chopped banana stalks and rice straw. Initial harvest weighs 0.75 tons.

6. Wildlife and Faunal Migration:

Is there an actual sighting of wildlife/fauna in the reforestation area during validation?

Yes ☒ No

Some of the fauna species observed within the reforestation and rehabilitation areas are various species of birds, reptiles and invertebrates.

Species Count	Species	Count	Conservation Status (IUCN)
1	Grey-capped Emerald Dove	1	LC
2	White-vented Shama	2	LC
3	Pink-necked Green Pigeon	1	LC
4	Eurasian Tree Sparrow	2	LC
5	Ashy-fronted bulbul	1	LC
6	Black-headed bulbul	1	LC
7	Blue paradise flycatcher	1	LC
8	Chestnut-breasted malkoha	1	LC
9	Lovely sunbird	1	LC
10	Palawan flowerpecker	1	LC
11	Pale spiderhunter	1	
12	Pygmy flowerpecker	1	LC
13	Quail	1	
14	Butterfly sp.	6	
15	Snail	1	
16	Hornet hive2	2	
17	Snake	1	
	TOTAL	26	

MMT FINDINGS/OBSERVATIONS:

1. Continuous production/propagation of forest trees seedlings and bamboo propagules contracted to local plant producers
2. Rehabilitated mined-out areas were maintained and protected as evidenced of high survival rate
3. Involvement/employment of indigenous people in the rehabilitation of mined out areas and maintenance and protection of the established plantations
4. Continuous planting of grasses and vines in the sloping areas to prevent soil erosion / landslide
5. Continuous maintenance and improvement of GP4, Mangingidong-Tanawan, Golden Park, Coffee plantation and introduction of other conservation measures.
6. Completed 4.50 hectares new rehabilitated mined out area target for CY 2021
7. Physical accomplishment submitted for the 3rd quarter 2021 were validated and found to be fully accomplished and complied the recommendation in the previous MMT validation

RECOMMENDATIONS:

1. Sustain/Continue the good practices, initiatives and strategies in the implementation of different programs/projects/activities as per approved AEPEP.
- 2.. Continue the rehabilitation of mined out areas target for CY 2021
3. Provide baseline of avifauna species if it's endemic or not.
4. For mangrove protection, indicate the number of patrolling conducted per Quarter and indicate the people who conducted the same with information whether they are deputized contractors or DENRO connected with the Company.
5. Coordinate with DENR CENRO to capacitate and assist the bamboo contractors for cutting techniques to reduce mortality of seedlings.

Validated by:

CONRADO M. CORPUZ
DENR –CENRO

SAMUEL B. CALIGDONG
BFAR

INOCENCIO MAGALLANES
Harribon Palawan

ATTY. NOEL AQUINO
PG-ENRO

Conforme:

JANICE M. TUPAS
MEPEO

CYNTHIA E. ROSERO
Resident Mine Manage

MINING FOREST PROGRAM (MFP)

MMT Validation Report

Covering of 4th Quarter 2021 Accomplishment

DATE OF VALIDATION : February 20-25, 2022

I. NAME OF COMPANY : Rio Tuba Nickel Mining Corporation
 Nickel Project
 Tenement No. : MPSA-114-98-IVB
 Location : Rio Tuba, Bataraza, Palawan
 Year MFP was Initiated : 1998

II. ACCOMPLISHMENTS:

A. DEVELOPMENT PLANS: ☐ Long-Range Plan ☒ Annual Plan
 (Attach photocopy(ies))

B. NURSERY OPERATIONS:
☒ Own Nursery ☐ Joint Venture ☒ Acquired from Other Sources

Name of Nursery	Area (m ²)	Capacity (No. of Seedlings Produced)*
RTN Central Nursery (EEI area)	10,000	200,000 - 250,000
Mangingidong Satellite Nursery (MP-O17)	10,000	200,000 - 250,000

*At least 1-ft plantable size

Seedling Inventory for the 2nd Semester 2021 (Own Nursery)

No. of Seedlings			No. of Seedlings Out-Planted/Disposal					Balance in Stock
Previous Stock	Produced	Total	Planted	Replanted	Enrichment	Donation	Mortality	
182,490	169,139	351,629	47,322	353	18,479	2,160	8,707	274,608

C. EXTENT OF PLANTED AREAS (ha)	NGP	REHAB	TOTAL
Total Area Planted to Date	: 659.27has	205.54 has	864.81has
Previous Plantations	: 659.27has	199.64 has	858.91has
New Plantations or Expansions	: 0 has	5.90 has	5.90has

(Attach a reforestation map of scale 1:25,000 showing distinctly the previous plantations from the new plantations or expansions.
 *Note: land used of 4538.44 has amended MPSA was used (see D. Disturbed Areas table)

NGP Accomplishment:

Year	Reforestation Establishment (ha.)	Donation (ha.) (No. Seedlings donated/500= No. of Hectares)	Total
2011			No available data
2012	216.6*		216.6
2013	346.23		346.23
2016-2018	53.00		53.00
2018-2019	43.44		43.44
Grand Total			659.27

Note: NGP for mine sector is only from 2011-2013 based on MGB Memorandum Order 2012-01.

**Note: From 220.41 hectares, the area in year 2021 decreased to 216.6 hectares due to corrected figures during in-house review of old plantations.*

Donated seedlings under NGP

Year	No. of Seedlings	Remarks
2014	55,500	
2015	1,180	
2016	15,789	
2017	1,060	
2018	4,253	
2019	13,213	
2020	10,648	
2021	3,410	Donated to MENRO-Bataraza, Academes (SBNHS & ACLNHS), and private entities.

D. DISTURBED AREAS (ha)

1. Areas directly affected by the operations

(Itemize all areas in a separate sheet.)

Particulars	Within 990 hectares original MPSA	Within 4,538.44 hectares Amended MPSA
	Area (has.)	Area (has.)
1. Inactive Tenement Area/s (Untouched)	311.42	3,341.13
2. Active Tenement Area/s	46.53	46.53
3. RTN Ancillary Area	99.85	385.61
<i>Rehabilitated/Reforested as of December 31, 2021</i>	<i>197.94</i>	<i>205.54</i>
4. CBNC and GPI within RTN MPSA	334.26	542.83
5. National Highway		16.80
Total	990.00	4,538.44

2. Environmental Incidence Resulting to Damages

	Yes	Area Affected (ha)	No
a. Tailings dam failure			X
b. Waste dump failure			X
c. Shrinkage/subsidence			X
d. Induced slides			X
e. Others (specify)			X
T o t a l			

(Note: Exclude areas that were previously rehabilitated.)

Performance Monitoring/Monthly Accomplishment Report (May-01-31, 2022)

Performance Monitoring/Monthly Accomplishment Report (May-01-31, 2022)									
Task ID No.	Subject	Action Officer	Output	Survival rate	Surviving trees	No. of seedlings planted	No. of seedlings intended to be planted	Date of seedlings planted	Remarks
Document No. or Task No. if taken from WFP	Subject area of the Task or the Signatory of the document and Subject area							Date the output was approved by the drafter	
	Report to Centro Office	Leandro F. Lapangan Jr.	Attend Flag ceremony and prepared report and travel order	66.99	970,246	1,124,297	1,124,297	May 12, 2022	accomplished
			Manning Lada monitoring station and checking of forest products with complete documents and permit.	64.11	106,207	11,907	11,907	May 17, 2022	Conducted
			Control of forest fires by establishment and construction of fireline/firebreaks/fire towers	11.17	66,710	73,011	73,011	May 19, 2022	Conducted
			Brushing/weeding/mulching/pruning (Areas: MP-P14, P15, P16, O16, O15, O14, M15, M16, N15, N17; GP-J23/J24, J23, J24)	95.33	15,032	15,650	15,650	May 20, 2022	Conducted
			Fertilizer/lime/pesticide/chemical application (Areas: MP-P14, P15, P16, O16, O15, O14, M15, M16, N15, N17; GP-J23/J24, J23, J24)	93.14	187,949	200,568	200,568	May 13, 2022	Submitted data to Manager Roseville
			Water spraying at Rehab areas (Coffee Plantations, Rehabilitation Areas)	100.00	14,750	14,750	14,750	May 17, 2022	Participated with is Certificate.
			Control of forest pests and diseases	100.00	14,750	14,750	14,750	May 17, 2022	Submitted report M. 2022
			Patrol work (all reforestation and rehabilitation areas)	93.54	202,699	215,308	215,308	May 23, 2022	Conducted
			Forest law enforcement (all reforestation and rehabilitation areas)	88.00	1,172,945	1,339,605	1,339,605		

F. OTHER ENVIRONMENTAL FACTORS

1. Species Diversity

Species Diversity			
Tree Species	Spacing (m x m)	Tree Species	Spacing (m x m)
Narra	Pioneer Species 2m x 2m	Kalumpang	For replacement/ enrichment (2mx2m)
Ipil		Malakatmon	
Amugis		Palawan Apitong	
Malakatmon		Bignay	
Batino		Sampalok	
Kupang		Bitag	
Tongkat Ali		Bolong eta	
Palawan Agoho		Palomaria	
Bamboo		Paringring	
Badak		Marangob	
Marang	Pal. Mancono		
Rambutan	Putian/Amayan		
Bignay	Arupag		
Kalamansi	Manglas		
Durian	Duhat		
Langka	Makopa		
Lanzones	Kurisom		
Kastanyas	Bunog		
Guava	Pamitoyen		
Bamboo	Ipil		
Udling	Amugis		
Manggis	Nato		
Mulawin	Bangkal		
Banaba	Palinlin		
Maladuhut	Bonsikag		
Grass Species/Vines/Shrubs/Ornamental (slope and stockpile greening and cover plants)			
Grass Species	Spacing (ft x ft)	Grass Species	Spacing (ft x ft)
Langkawas	1.0 x 1.0	Pandan	1.0 x 1.0
Tikog-Tikog		Fern Species	
Tea Plant		Batbat	
Pitcher Plant		Rattan	

2. Research/Studies on reforestation conducted:

Is there any research/study on reforestation conducted?
☐ / ☒ (Attach copy(ies).) ☐ / ☒ None

3. IEC on reforestation:

Are there any IEC activities (in the form of publication, public dissemination, lectures, etc.) initiated for the Community? **Yes**

(Attach photocopy/ies of publication and other IEC papers.)

- IEC in the form of interactive discussions and mine tour around the mine site, rehabilitation, and reforestation areas are continuously done to various local and international interested parties visiting the site. For the period, the Department had recorded 132 individuals that visited in the Company's mine rehabilitation and reforestation areas. Significant visitors during the period are USec. Sampulna, ASec. Caguia, RD Noble of MGB-MIMAROPA and RD Salino of EMB-MIMAROPA.

4. Services to the Community

Is there any reforestation assistance extended by the Company to the Community during the period under review? Yes

- **Community-based Reforestation Program:**

Objective: The reforestation program seeks to empower local communities through getting involved in the reforestation activities by using their indigenous knowledge in identification and selection of local plants to ensure endemism, planting activity, care and protection activities of the plantations.

Target: The program prioritizes the services of the local community especially the IP groups through a contract and project-based system for the principal activities of the rehabilitation from seedlings production to care and maintenance activities of the plantations.

Status: The Company entered into an agreement with a manpower service managed by an IP for the maintenance and protection activities in rehabilitation and mangrove reforestation. Likewise, the seedlings requirement for rehabilitation and reforestation activities is continuously acquired from the two (2) local plant producers who are both IP members.

- **“Foster-a- Tree, Make A Legacy”**

Objective: To involve all RTN stakeholders in the seedling nurturing activity by rearing indigenous and/or local fruit and forest tree species.

Target: Each employee has to rear and donate the following numbers of fruit and forest tree seedlings: minimum of 20 seedlings for RTN regular employee; minimum of 10 seedlings for RTN non-regular employee; and minimum of 5 seedlings for every employee of RTN stakeholders (i.e., contractors). The seedlings will be planted in mined-out rehabilitation areas and other sparsely vegetated areas within Bataraza, in partnership with Local Government Unit.

Status: Employees and other partners had turned-over 20,413 fostered seedlings (19,378 were enriched in rehab area while remaining seedlings are currently kept in nursery).

- **“Adopt-A-Forest Project”**

Objective: The program aims to increase awareness and encourage everyone’s moral responsibility to nature through actual involvement in the rehabilitation activities of the Company.

Target: Each Department/Office of RTN has adopted rehabilitated area for them to care and maintain. The care and maintenance activities include enrichment planting, watering, fertilizer application, and soil cultivation and amelioration.

Status: Twenty-three (23) groups (i.e., Mine Operations, Assay, RTNFI Secretariat, LSMHS, ILS, Safety, Nickelbase, etc.) have conducted planting and maintenance activities in their respective adopted rehab area.

- **Coffee Plantation**

Objective: Create an ecologically and economically sustainable agriculture industry through establishment of community-based Liberica Coffee Plantation.

Target: To provide livelihood opportunities to stakeholders by turning-over the management of plantation to organized cooperative whose members are locals of Rio Tuba.

Status: The harvest of coffee cherries for this year's season has started in September. See below table for the details of the coffee harvest and processing:

Date	Harvest (kg.)	Sundried (kg.)		Processed (kg.)	
	Ripe berries	W/ Pulp	De-pulped	Green Beans	Ground Coffee
2020	2,253.0	-	-	-	29.334
(Jan-June 2021)	3,804.5	83.00	332.0	159.0	60.55
July – December 2021	1,573.5	-	423	137	65.2

Total to date	7,631.0	83.0	755.0	296.0	155.084
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- **Edible Landscaping Contest**

Objective: The contest aims for the productivity of idle areas and promote conservation by planting local and native fruit-bearing and forest tree species; to help improve the ecosystem by creating habitats for faunal species especially avifauna and pollinators; and to foster a creative community in which people can contribute their skills and share knowledge/ideas.

Target: This year's version of Edible Landscaping Contest is Bataraza-wide that will feature community gardening in each barangay. The primary crops that will be planted in the garden are perennial crops such as fruit and forest trees at minimum of 250 seedlings per entry.

Status: There were 29 entry gardens from seven (7) participating barangays of Bataraza. The culmination program was conducted last December 14, 2021. A total of 4,008 various local and native forest and fruit tree species were planted relative to its objective to promote conservation.

- **Mangrove Project**

Objective: The Mangrove Protection and Maintenance Project of RTNMC aims to engage the community (PO's) concerning protection and conservation of mangrove ecosystem and also to have an alternative source of income by propagating and planting mangrove species diverting from their previous charcoal making and trading activities.

Target: The Company will continuously care and maintain the 43.44 hectares of mangrove area located at So. Bongkol-Bongkol (11 has), So. Kinurong (10 has), So. Bukid-Bukid (21 has) and Igang-Igang (1.44 has) by replanting, enrichment and patrolling.

Status: Two IP groups, the Jedith Plant Seedling & Trading (JPST) and Rio Tuba Ecosystem Developers Inc. (RTEDI) are the partners of RTNMC in protection and maintenance of 42.0 mangrove plantation located in the sitios of Bukid-Bukid, Bongkol-Bongkol and Kinurong. These service providers have enriched/planted a total of 21,000 mangrove propagules of bakawang lalaki and babae species.

- **Bamboo Plantation:** The Company has a composite of 12.0 hectares established bamboo plantation located within and outside tenement area. In compliance with the MGB Memorandum, the Company committed to establish 55.3 hectares of bamboo plantation in So. Tagpisa.

Status: Established 55.3 hectares with 11,282 planted of Kawayang Tinik, Bayog, Patong, and Buho seedlings.

5. Other Conservation Measures

- a. Landscaping of mine and/or plant site surroundings?

Yes ☒ Area 3.0 has. No ☐

The Golden Park located in MP-P16 is continuously being developed by building various structures and conducting landscaping works.

- b. Use of vines and grasses for planting/rehabilitation?

Yes ☒ Area has. No ☐

Planting of 40,537 grass and shrubs species in rehabilitated, covered 3.0 hectare of slope areas and berms.

Species Diversity	
Pandan	Batbat
Langkawas	Fern Sp.
Tikog-Tikog	Banana
Rattan	Bamboo
Pitcher Plant	Bikal

c. Re-Establishment of Clonal Nursery?

Yes ☒ Area: GP-4 No ☐

d. Establishment of Drip Irrigation System?

Yes ☒ Area: 1.5 has. No ☐

e. Establishment of Demo Plot?

Yes ☒ Area: 1.0 ha No. ☐

Demo plot of the UPLB-CFNR Trace Elements Accumulating Metallophytes (TEAM) research is continuously being maintained by conducting brushing/stripping, and weeding activities.

f. Application of fertilizers?

Yes ☒ No. ☐

RTN utilizes the following natural soil conditioner to augment the quality of soil in its mined-out rehabilitation areas:

- a. Chicken dung - 381 sacks
- b. Vermicast - 750 kg

g. Development/production of coconet for slope stabilization?

Yes ☒ No ☐

The Company is currently establishing a Coconet Production Facility with an initial capacity to produce at least 500 rolls of 1 x 10-meter coconet which will be utilized for slope stabilization and erosion control. This development is also to capacitate the company in preparation for the final decommissioning and rehabilitation of areas initially disturbed for mining activities. The facility will be comprised of major machines such as decorticator, twining and weaving machine. As the first process of the coconet production, decortications are currently a work in progress wherein approximately 125 kilograms of coco coir was produced as of December 2021. Coco coir is the main material being used in coconet-making.

h. Trainings Attended on Rehabilitation/Reforestation?

Yes ☒ No ☐

- 1. July 1, 2021 – Coco Coir training (via:zoom)
- 2. July 1, 2021 & July 16, 2021 – Coffee Training (via: zoom)
- 3. July 7, 2021 – Bamboo Product Development Training (via: zoom)
- 4. July 24, 2021 – Bamboo Industry Development Road Map (via: zoom)
- 5. September 10, 2021 – Philippine Mining Club: Bamboo Summit (via: zoom)
- 6. Dec. 2-3, 2021 – The SFFI International Conference webinar “Optimizing Forestry for Economic Recovery”

6. Wildlife and Faunal Migration:

Is there an actual sighting of wildlife/fauna in the reforestation area during validation?

Yes ☒ No ☐

Some of the fauna species observed within the reforestation and rehabilitation areas are various species of birds, snakes and monkey among others. See Attachment 8 for the photo documentation of the observed flora and fauna at in mined-out rehabilitation.

MMT FINDINGS/OBSERVATIONS AND RECOMMENDATIONS

FINDINGS/OBSERVATIONS	RECOMMENDATIONS
1. Continuous production/propagation of forest trees seedlings and bamboo propagules contracted to local plant producers.	Sustain/Continue the production of indigenous/endemic species seedling and bamboo propagules
2. Rehabilitated mined-out areas were maintained and protected as evidence of high survival rate of the seedlings planted including those seedlings replanted/enriched in the rehab area.	Sustain/Continue the maintenance such as replanting, enrichment and establishment of fire lines in identified fire prone areas
3. Establishment of bamboo plantation in So. Tagpisa area with commitment of 55 hectares.	Establish fire lines or fire breaks to prevent occurrence of fire considering the area is cogonal which is prone /susceptible to fire Install signage indicating the required information/data for monitoring purposes
4. Involvement/employment of indigenous people thru contract in the seedling production, planting in mined out areas and maintenance and protection of the rehab areas	Continue the involvement of IP's and community that provides them employment and/or alternative source of livelihood
5.. Planting of grasses and vines in the sloping and berms areas to prevent soil erosion / landslide	Continue planting of vines and grasses in other sloping areas
6. Coffee plantation produces high yield or harvest	Continue the application of fertilizer and establish fire lines in identified prone areas
7. Continuous maintenance, construction and improvement of GP4, Mangingidong-Tanawan and Golden Park.	Sustain/Continue the planned activities
8.. Continuous introduction and implementation of other conservation measures and programs/projects	Continue/Sustain the strategies, innovations and best practices in the protection, rehabilitation and conservation of our natural resources by involving participation of RTN employees, stakeholders and community.
9. Completion of 5.90 hectares new rehabilitated mined out area target for CY 2021 with high survival rate of seedlings planted observed in MP-M18/N18 area	Maintenance of the planted seedlings such as brushing or weeding and replanting of mortality Application of organic fertilizer (chicken dung or vermicast) to enhance survival growth and watering during summer season Install signage indicating the required information/data for monitoring purposes
10. Maintenance and protection of mangrove rehabilitation projects contracted to people's organization and/or resident of the community	Continue/Sustain the maintenance and protection activities

Validated by:

CONRADO M. CORPUZ
DENR –CENRO

SAMUEL B. CALIGDONG
BFAR

INOCENCIO MAGALLANES
Harribon Palawan

ATTY. NOEL AQUINO
PG-ENRO

Conforme:

JB CATADMAN, JR./ BV CAROROCAN
Forestry Technician

JANICE M. TUPAS
MEPEO

RONELBERT A. SUGUITAN
OIC-Resident Mine Manager

PHOTO DOCUMENTATION

8°33'25"N, 117°25'57"E

accuracy: 14m

MMT REHAB-NGP TEAM

Altitude
91 m

2400

2/22/22
5:06 PM



8°33'25"N, 117°25'57"E

accuracy: 5m



8°33'24"N, 117°25'57"E

accuracy: 5m

Nursery Operation



8°33'25"N, 117°25'57"E

accuracy: 14m

Altitude
96 m

800

2/22/22
4:58 PM



8°33'25"N, 117°25'57"E

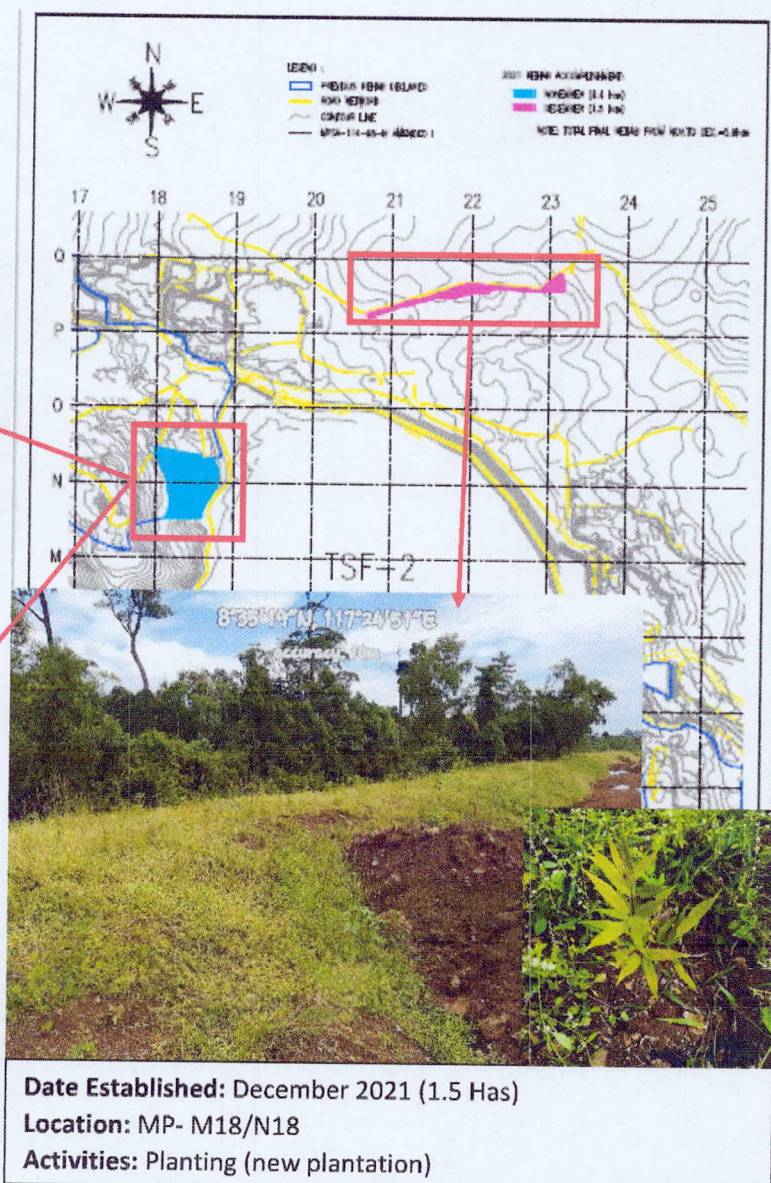
accuracy: 14m

2/22/22
5:00 PM

NEW REHABILITATION

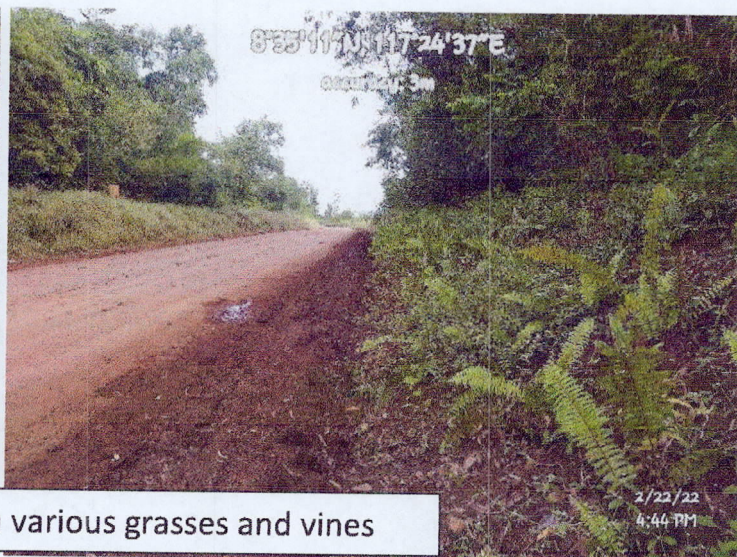


Date Established: October 2021 (4.4 Has)
Location: MP- M18/N18
Activities: Planting (new plantation)



Date Established: December 2021 (1.5 Has)
Location: MP- M18/N18
Activities: Planting (new plantation)

SLOPE GREENING



Slope/Berms planted with various grasses and vines

PREVIOUS REHABILITATION



8°55'18"N, 117°24'5"E

accuracy 5m

Date Established: June 2017

Location: MP- O16

Activities: Soil cultivation, fertilization & Strip brushing



8°55'19"N, 117°24'14"E

accuracy 5m

Date Established: September 2019

Location: MP- O16

Activities: Soil cultivation, fertilization & Strip brushing



Date Established: June 2017

Location: MP- M15

Activities: Enrichment planting, Soil cultivation, fertilization & Strip brushing

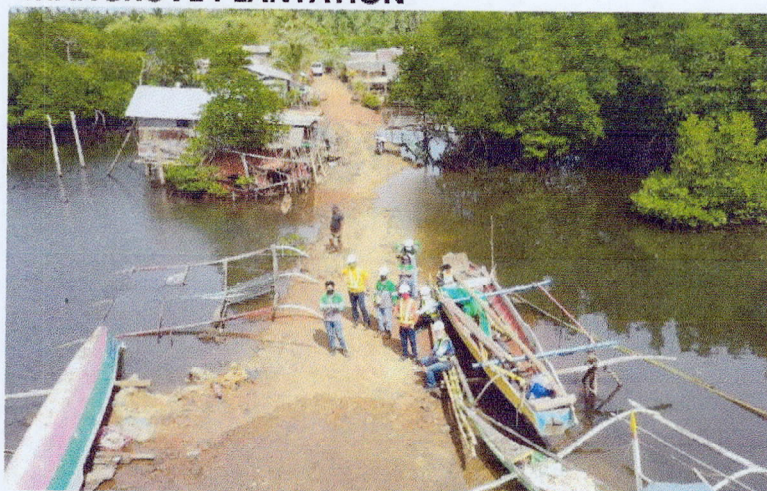


Date Established: October 2019

Location: MP- P17

Activities: Soil cultivation, fertilization & Strip brushing

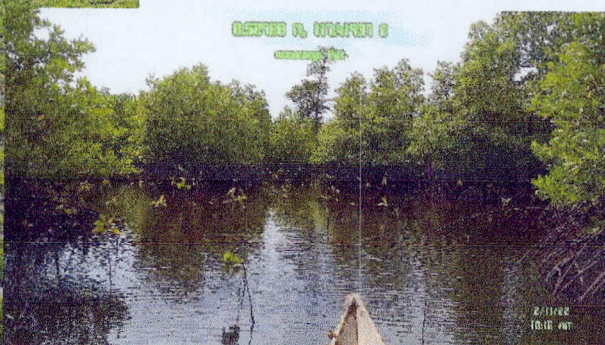
MANGROVE PLANTATION



Date Established: CY 2015-2016

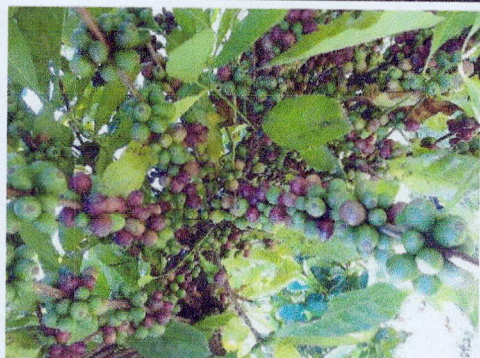
Location: Kinurong

Activities: Enrichment planting, boundaries marking, monitoring and patrolling

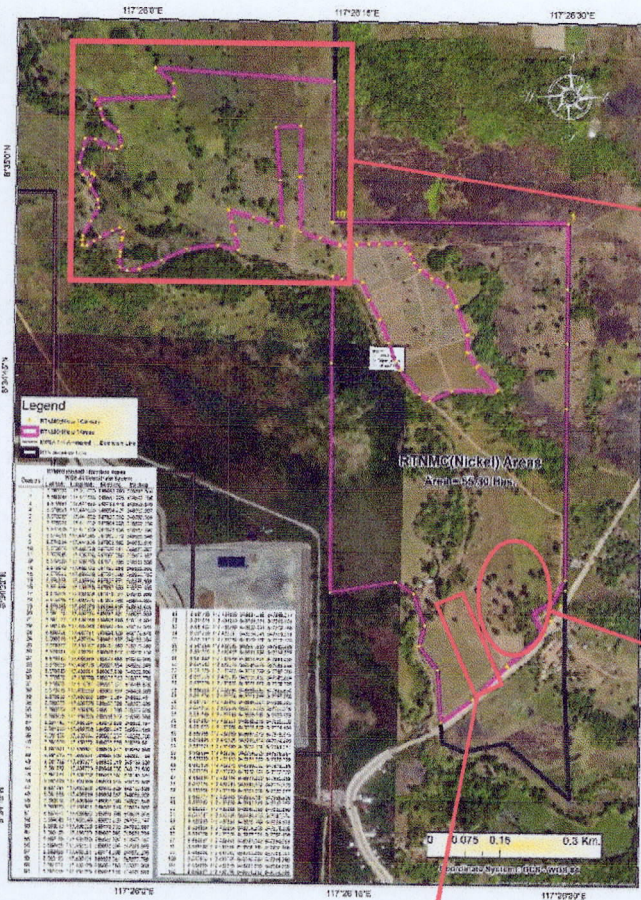


COFFEE PLANTATION

Date	Harvest (kg.)	Sundried (kg.)		Processed	
	Ripe Berries	W/ Pulp	De-pulped	Green Beans w/ hull	Ground Coffee
2020	2,253.0	-	-	-	29.334
Jan-dec 2021	5,378.0	83.0	755.0	296.0	125.75
Total to date	7,631.0	83.0	755.0	296.0	155.084



BAMBOO PLANTATION



VERMICOMPOSTING PROJECT



THANK YOU!!!

RTNMC Nickel 3rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B
MMT COMPLIANCE MONITORING AND VALIDATION REPORT (CMVR) FORM
FOR MINING INDUSTRIES

Nickel Mining Project
Rio Tuba Nickel Mining Corporation
Barangay Rio Tuba, Bataraza, Palawan

Date of Compliance Monitoring and Validation: **November 15 – 20, 2021**

Monitoring Period Covered: **July – September 2021** Quarter/Semester Year: **3rd Quarter 2021**

B.2. Compliance to Impact Management Commitments in EIA Report & EPEP

(Directions: The MMT shall check compliance of the Proponent to the commitments in the EMP.)

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
Mining Operation	1. LAND RESOURCES				
	1.1 Backfilling & Reshaping of Mined-out Areas/Topsoil Management	RTNMC was able to backfill 32,386 cu.m. of topsoil and subsoil materials at M18 & N18 and berms (161.93% of the target) with a cost of PHP1,357,560.00 (89.02% of the budget).	✓		Continue to conduct backfilling and reshaping of mined-out areas/topsoil management.
	To backfill & Reshape 20,000 cu.m. (annual target), with a budget of PHP1,525,000.00 at P16, P7, & I23				
	1.2 Revegetation of Mined-out Areas	RTNMC completed building Rio Croc, huts, and ASEAN replica at the Eco-tourism area (42% of the 1 project area) with a cost of PHP6,227,580.00 (36.06% of the budget).		X	Accelerate this activity to catch up with the plan for CY 2021.
	To revegetate 5 hectares in 1 project area (annual target) with a budget of PHP16,809,000.00				
	1.3 Maintenance/Enhancement of rehabilitated areas within MPSA	RTNMC was able to maintain/enhance 55 hectares of rehabilitated areas (28.0% of the target) with a cost of PHP1,283,920.00 (36.20% of the budget).		X	Accelerate this activity to catch up with the plan for CY 2021.
	To maintain/enhance 196.44 hectares (annual target) of rehabilitated areas within MPSA with a budget of PHP3,078,000.00				
1.4 Reforestation-of areas outside MPSA (New Plantation - NGP/Bufferzone)	RTNMC reportedly spent PHP391,920.00 (20.29% of the budget) but no physical accomplishment.		X	Accelerate this activity to catch up with the plan for CY 2021.	
To reforest 55.3 hectares (annual target) outside of MPSA with a budget of PHP1,932,000.00					

RTNMC Nickel 3rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	1.5 Maintenance/Enhancement of established Refo/NGP Areas	RTNMC was able to maintain/enhance 53 hectares of coffee plantation (100% of the target) and 353 hectares of NGP areas (62.72% of the target) with a total cost of PHP546,960.00 (31.11% of the budget).			Continue to maintain/enhance coffee plantation and accelerate the maintenance/enhancement of NGP areas.
	To maintain/enhance 53 hectares (annual target) of coffee plantation and 562.83 hectares (annual target) of NGP areas with a budget of PHP1,758,000.00				
	1.6 Nursery Operation: In-house seedling production	Land preparation for the clonal project was completed (30% of 1 project) and 6,240 germplasm was placed in the chamber (249% of the target) with a total cost of PHP487,130.00 (16.79% of the budget).		X	Accelerate this activity to catch up with the plan for CY 2021.
	To establish 1 clonal project (annual target) at the Central Nursery to put 2,500 germplasm in the chamber (annual target) with a budget of PHP2,901,000.00				
	1.7 Nursery Operation: Out-sourced seedling production	RTNMC was able to outsource 51,668 seedlings (25.83% of the target) with a cost of PHP1,478,000.00 (56.85% of the budget).		X	Accelerate this activity to catch up with the plan for CY 2021.
	To outsource 200,000 seedlings (annual target) with a budget of PHP2,600,000.00				
	1.8 Nursery Operation: Organic Fertilizer Production	RTNMC was able to conduct 2 organic fertilizer production project (100% of the target) with a cost of PHP490,380.00 (100.08% of the budget).	✓		Continue to conduct the organic fertilizer production projects.
	To conduct 2 organic fertilizer production projects (annual target) with a budget of PHP 490,000.00				
	1.9 Establishment & Maintenance of Stockpile & Slope Greening	No new area was established (0% of the target) but 10 hectares were maintained (100% of the target) with a cost of PHP1,304,050.00 (100% of the budget).		X	Accelerate this activity to catch up with the plan for CY 2021.
	To establish 3 hectares of new and maintain 10 hectares (annual targets) of stockpile and slope greening with a budget of PHP 1,304,000.00				
	1.10 Repair and Maintenance of envi-structures (view decks, parks, nurseries, road maintenance)	RTNMC was able to repair and maintain 1 envi-structure (100% of the target) with a cost of PHP224,910.00 (99.96% of the budget).	✓		Continue the repair and maintenance of envi-structures.
	To repair and maintain 1 envi-structure (annual target) with a budget of PHP225,000.00				
2. WATER RESOURCE AND QUALITY					
	2.1 Maintenance of Siltation Ponds/Silt Collector Sumps	RTNMC was able to	✓		Continue the

RTNMC Nickel 3rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	To maintain 5 siltation ponds/silt collector sumps and install 2 desilting pads to ponds with a budget of PHP15,830,000.00	maintain 5 ponds (100% of the target) and install 3 desilting pads in ponds (100% of the target) with a cost of PHP9,854,880.00 (62.25% of the budget).			maintenance of siltation ponds and silt collector sumps.
	2.2 Maintenance of Canals	RTNMC maintained 3 canals (100% of the target) with a cost of PHP105,280.00 (7.99% of the budget).	✓		Continue the maintenance of canals.
	To maintain 3 canals with a budget of PHP1,317,000.00				
	2.3 Waste Water Treatment Facility (WWTF) operation and maintenance	RTNMC was able to maintain and operate 14 WWTF (100% of the target) with a cost of PHP294,760.00 (37.41% of the budget)	✓		Continue to practice proper wastes water treatment and management.
	To maintain and operate 14 WWTF (annual target) with a budget of PHP788,000.00				
	2.4 Solid Waste Management	RTNMC was able to recycle 87% (174% of the target) of solid wastes generated with a cost of PHP1,393,030.00 (73.05% of the budget).	✓		Continue the proper solid waste management.
	To recycle a minimum of 50% of solid waste produced (annual target) with a budget of PHP1,907,000.00				
	2.5 Hazardous Waste Management	RTNMC was able to conduct 1 hauling activity (50% of the target) of hazardous wastes produced with a cost of PHP276,210.00 (63.35% of the budget).	✓		Continue the proper hazardous wastes treatment and handling.
	To conduct 2 hauling activities of hazardous waste produced (annual target) with a budget of PHP436,000.00				
	2.6 Water Quality Monitoring	RTNMC was able to conduct 9 effluent samplings (75% of the target), 3 potability samplings (75% of the target), and 1 Aquatic resource assessment with a cost of PHP1,471,560.00 (44.66% of the budget).	✓		Continue the water quality monitoring.
	To conduct 12 effluent samplings and 4 potability samplings (annual targets) with a budget of PHP 3,295,000.00 in 1 project area				
	2.7 Repair & Maint. of Envi Structures (Settling ponds, Dikes, Canals)	No accomplishment for this activity, but with a reported expenditure of PHP18,340.00 (1.37%)		X	Adhere to the planned schedule of activities.
To conduct 1 repair and maintenance of envi-structure (annual target) with a budget of PHP1,335,000.00					
3. NOISE AND VIBRATION					

RTNMC Quarterly 2021 Compliance Report to DWS 2019-2021

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation	
	Planned	Field Findings and Observations	Yes	No		
	3.1 Noise and Vibration Level Monitoring	RTNMC was able to conduct 9 monitoring (75.0% of the target) with a cost of PHP904,070.00 (60.55% of the budget).	✓		Continue to conduct noise and vibration level monitoring.	
	To conduct 12 noise and vibration monitoring (annual target) with a budget of PHP1,493,000.00					
	4. AIR QUALITY					
	4.1 Dust Control-Road Watering	RTNMC was able to conduct 14 km of dust control road watering (100% of the target) and utilized 88,788 cu.m of water (88.78% of the target) with a cost of PHP1,070,530.00 (74.14% of the budget)..	✓		Continue the road watering as a dust control measure.	
	To conduct 14 km of road watering (annual target) with a budget of PHP1,444,000.00					
	4.2 Dust Control-Street Sweeping	RTNMC was able to conduct 7 km of street sweeping (100% of the target) with a cost of PHP3,458,000.00 (88.87% of the budget).	✓		Continue the street sweeping activity as a dust control measure	
	To conduct 7 km of street sweeping (annual target) with a budget of PHP3,891,000.00					
	4.3 Air Quality Monitoring	RTNMC was able to conduct 9 air sampling (75% of the target) and 9 CO ₂ monitoring (75.0% of the target) with a total cost of PHP1,957,010.00 (67.27% of the budget).	✓		Continue the regular air quality monitoring.	
	To conduct 12 air sampling and 12 CO ₂ monitoring (annual target) with a budget of PHP2,909,000.00					
	5. CONSERVATION VALUES					
	5.1 Environmental Awareness	RTNMC was able to reach 672 (134.40% of the target) for PHP119,110.00 (17.09% of the budget).	✓		Continue to spread environmental awareness.	
	To reach 500 individuals (annual target) with a budget of PHP697,000.00					
	5.2 Coral Reef Related Activities	No accomplishment and expenditure.		X	Adhere to the planned schedule of activities.	
	To conduct 1 coral reef-related activity (Continuation of coral gardening), annual target, with a budget of PHP59,000.00					
	5.3 Biodiversity Conservation	RTNMC was able to conduct two 3 biodiversity conservation projects (100% of the target) for only PHP493,450.00 (22.91% of the	✓		Continue to conduct biodiversity projects.	
	To conduct 3 biodiversity conservation projects (Arboretum, Ursula, BAP & WMP), annual target, with a budget of PHP2,154,000.00					

RTNMC Nickel 3rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
		budget).			
	5.4 Mangrove Rehabilitation To rehabilitate 42 hectares of mangrove area (annual target) with an a budget of PHP512,000.00	RTNMC was able to rehabilitate 22 hectares (52.38%) of mangrove area with a cost of PHP140,500.00 (27.44% of the budget).	✓		Continue to rehabilitate mangrove areas.
	6. ENVIRONMENTAL RESEARCH				
	6.1 Various Studies To conduct 1 study (annual target) with a budget of PHP700,000.00	Study was conducted (100% of the target) with a cost of PHP104,370.00 (14.91% of the budget).	✓		
	7. OTHERS (E.G. TRAINING/WORKSHOPS/ CONFERENCES/LINKAGES/ MMT/MRFC ETC.)				
	7.1 MMT Validation & Inspection; MRFC Meetings To conduct 8 MMT and MRFC activities (annual target) with a budget of PHP2,388,000.00	6 MMT and MRFC activities (75% of the target) were conducted with a total cost of PHP569,810.00 (23.86% of the budget).	✓		Conduct the remaining MMT and MRFC activities for CY 2021
	7.2 Other Inspection Audits; Training and Linkages To conduct 8 inspection audits, training, and linkages (annual target) with a budget of PHP 3,803,000.00	6 inspections audits/training and linkages (75% of the target) was conducted with a cost of PHP607,150.00 (15.97% of the budget).	✓		Conduct the remaining Inspection Audits; Training and Linkages
	7.3 General Monitoring To conduct 48 weekly activities (annual target) with a budget of PHP8,810,000.00	RTNMC was able to conduct 36 weekly activities (75% of the target) with a cost of PHP5,394,260.00 (61.23% of the budget).	✓		Continue the general monitoring activity
	8. OTHER FINDINGS, OBSERVATIONS, AND RECOMMENDATIONS				
	<ol style="list-style-type: none"> Relative to the previous findings and recommendations of the 1st and 2nd Quarter 2021 MMT Monitoring, Rio Tuba Nickel Mining Corporation (RTNMC) strived to adhere to the planned schedule of activities in the nickel project during the 3rd Quarter 2021. Delays in the implementation of planned activities were due to the lockdowns imposed as a result of the surge in COVID-19 positive cases. During the field monitoring of the team, it was noted that RTNMC was able to revegetate 4 hectares in M18 & N18 The species planted in said areas are as follows: Manggis, Palomaria, Kamagong, Apitong-Baboy, Mulawin/Molave, Marang, Kamansi, Palawan Mancono, Palawan Agoho, Putian/Amayan, Duhat, Maladuhat, Marangob, and Nato. It was noted that the construction of ASEAN replica, Rio Croc, and huts in the Golden Park were completed. 				

RITNMC Nickel 3rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	<p>4. Accumulation of mud were noted in the loading area of the pier site due to the continuous rainfall for the past days. It is recommended to conduct regular sweeping and maintenance to prevent the accumulation of mud during the rainy days.</p> <p>5. It was noted that drainage and siltation control facilities have stable embankments and in good condition. Maintenance and regular monitoring of said facilities should be continued by the company.</p> <p>6. Exposure of residual materials were noticed in the sanitary landfill.</p> <p>7. The company should adhere to the planned schedule to implement the remaining activities for C.Y. 2021 and should continue the maintenance and enhancement activities.</p>				

SUMMARY OF AEPEP 2021 PHYSICAL ACCOMPLISHMENTS AS OF SEPTEMBER 30, 2021

1.	AEPEP Components	Unit of Measure	Annual Target	Physical Accomplishment			Annual Accomplishment	% Annual Accomplishment
				1Q2021	2Q2021	3Q2021		
	Land Resource							
	1.1 Backfilling & Reshaping of Mined-out Areas/Topsoil Management	topsoil & subsoil used in land prep, cu.m. topsoil stored, cu.m.	20,000 20,000	3,528 -	15,452 -	13,406 192,795	32,386 192,795	100% 100%
	1.2 Revegetation of Mined-out Areas	new rehab area, hectare Ecotourism project	5 1	0 0.02	0 0.02	0 0.4	0 0.42	0% 42%
	1.3 Maintenance/Enhancement of rehabilitated areas within MPSA	previous rehab area, hectare new bamboo plantation, hectare	196.44 55.3	19.6 0	25 0	10 0	55 0	28% 0%
	1.4 Reforestation-of areas outside MPSA (New Plantation - NGP/Bufferzone)	no. of bamboo seedlings	40,190	0	0	0	0	0%
	1.5 Maintenance/Enhancement of established Refo/NGP Areas	coffee plantation area, hectare previous NGP area, hectare	53 562.83	53 105	53 22	53 226	53 353	100% 63%
	1.6 Nursery Operation: In-house seedling production	no. of germplasm in chamber nursery improvement project	2,500 1	3,952 -	- -	2,288 0.3	6,240 0.3	100% 30%
	1.7 Nursery Operation: Out-sourced	seedling	200,000	2,085	360	49,223	51,668	26%

KINMUNDALE 3 rd Quarter 2021 Compliance Report to DDO 2019-2020									
AEPEP Components		Physical Accomplishment							
		Unit of Measure	Annual Target	Quarterly Accomplishment			Annual Accomplishment	% Annual Accomplishment	
				1Q2021	2Q2021	3Q2021			
	seedling production								
	1.8 Nursery Operation: Organic Fertilizer Production	projects: Vermicomposting and use of chicken dung	2	-	1	1	2	100%	
	1.9 Establishment & Maintenance of Stockpile & Slope Greening	establishment of new stockpile & slope greening areas, hectare	3	0	-	-	0	0%	
		maintenance of previous stockpile and slope greening areas, hectare	10	0	5	5	10	100%	
	1.10 Repair and Maintenance of enviro-structures (view decks, parks, nurseries, road maintenance)	project	1	0	0.25	0.75	1	100%	
2.	Water Resource and Quality								
	2.1 Maintenance of Siltation Ponds/Silt Collector Sumps	no. of ponds	5	5	5	5	5	100%	
		installation of desilting pads to ponds project	2	1	1	1	3	100%	
	2.2 Maintenance of Canals	no. of canals	3	3	3	3	3	100%	
	2.3 Waste Water Treatment Facility operation and maintenance	no.of wwtf/OWS	14	14	14	14	14	100%	
	2.4 Solid Waste Management	waste recycled (minimum)	50%	77%	91%	92%	87%	100%	
	2.5 Hazardous Waste Management	no. of hauling	2	1	0	-	1	50%	
		project	1	0	0	1	1	100%	

AEPEP Components		Physical Accomplishment						% Annual Accomplishment
		Unit of Measure	Annual Target	Quarterly Accomplishment			Annual Accomplishment	
				1Q2021	2Q2021	3Q2021		
	2.6 Water Quality Monitoring	no. of effluent sampling	12	3	3	3	9	75%
		no. of potability sampling	4	1	1	1	3	75%
		project	1	1	-	-	1	100%
	2.7 Repair & Maint. of of Envi Structures (Settling ponds, Dikes, Canals)	spillway improvement at Lower Togpon project	1	0	-	-	0	0%
3.	Noise and Vibration							
	3.1 Noise and Vibration Level Monitoring	no. of monitoring	12	3	3	3	9	75%
4.	Air Quality							
	4.1 Dust Control-Road Watering	kilometer	14	14	14	14	14	100%
		cu.m.	100,000	29,246	22,484	37,058	88,788	89%
	4.2 Dust Control-Street Sweeping	kilometer	7	7	7	7	7	100%
	4.3 Air Quality Monitoring	no. of sampling	12	3	3	3	9	75%
		CO2e monitoring	12	3	3	3	9	75%
5.	Conservation Values							
	5.1 Environmental Awareness	no. of reached	500	203	152	317	672	100%
	5.2 Coral Reef Related Activities	project	1	0	0	-	0	0%
	5.3 Biodiversity Conservation	project	3	1	1	1	3	100%
	5.4 Mangrove Rehabilitation	hectare	42	0	22	-	22	52%
		project	1	0	0	1	1	100%
6.	Environmental Research							
	6.1 Various Studies	project	1	0	0	1	1	100%
7.	Others							
	7.1 MMT Validation & Inspection;	no. of times	8	2	2	2	6	75%

AEPEP Components		Physical Accomplishment						Annual Accomplishment	% Annual Accomplishment
		Unit of Measure	Annual Target	Quarterly Accomplishment					
				1Q2021	2Q2021	3Q2021			
	MRFC Meetings								
	7.2 Other Inspection Audits; Training and Linkages	compliance	100%	1	1	5	7		100%
	7.3 General Monitoring	weekly activities	48	12	12	12	36		75%
TOTAL									70%

SUMMARY OF AEPEP 2021 FINANCIAL EXPENDITURES AS OF SEPTEMBER 30, 2021

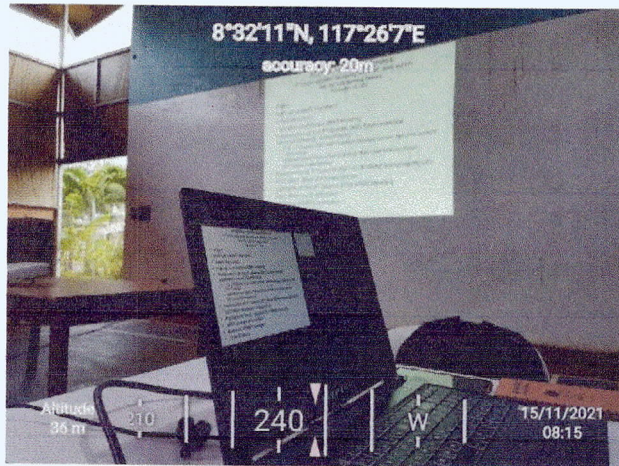
	AEPEP Components	Financial Accomplishment					% Annual Budget Expenditure
		Annual Budget, Php'000	Quarterly Expenditure, Php'000			Annual Expenditure, Php'000	
			1Q2021	2Q2021	3Q2021		
1.	Land Resource	32,622.00					
	1.1 Backfilling & Reshaping of Mined-out Areas/Topsoil Management	1,525.00	404	311	642	1,357.56	89%
	1.2 Revegetation of Mined-out Areas	16,809.00	1,267	1,328	3,467	6,062.13	36%
	1.3 Maintenance/Enhancement of rehabilitated areas within MPSA	3,078.00	692	326	265	1,283.92	42%
	1.4 Reforestation-of areas outside MPSA (New Plantation - NGP/Bufferzone)	1,932.00	-	66	326	391.92	20%
	1.5 Maintenance/Enhancement of established Refo/NGP Areas	1,758.00	262	103	182	546.96	31%
	1.6 Nursery Operation: In-house seedling production	2,901.00	49	107	331	487.13	17%
	1.7 Nursery Operation: Out-sourced seedling production	2,600.00	-	558	920	1,478.00	57%
	1.8 Nursery Operation: Organic Fertilizer Production	490.00	214	269	7	490.38	100%
	1.9 Establishment & Maintenance of Stockpile & Slope Greening	1,304.00	522	444	338	1,304.05	100%
	1.10 Repair and Maintenance of environmental structures (view decks, parks, nurseries, road maintenance)	225.00	24	80	121	224.91	100%
2.	Water Resource and Quality	24,908.00					
	2.1 Maintenance of Siltation Ponds/Silt Collector Sumps	15,830.00	1,404.00	3,030.00	5,421.00	9,854.88	62%
	2.2 Maintenance of Canals	1,317.00	-	35.00	70.00	105.28	8%
	2.3 Waste Water Treatment Facility operation and maintenance	788.00	91.00	100.00	104.00	284.76	37%
	2.4 Solid Waste Management	1,907.00	396.00	512.00	485.00	1,393.03	73%

AEPEP Components		Financial Accomplishment					
		Annual Budget, PhP'000	Quarterly Expenditure, PhP'000			Annual Expenditure, PhP'000	% Annual Budget Expenditure
			1Q2021	2Q2021	3Q2021		
	2.5 Hazardous Waste Management	436.00	83.00	125.00	69.00	276.21	63%
	2.6 Water Quality Monitoring	3,295.00	419.00	479.00	573.00	1,471.56	45%
	2.7 Repair & Maintenance of of Envi Structures (Settling ponds, Dikes, Canals)	1,335.00	-	-	18.00	18.34	1%
3.	Noise and Vibration	1,493.00					
	3.1 Noise and Vibration Level Monitoring	1,493.00	508.00	249.00	147.00	904.07	61%
4.	Air Quality	8,244.00					
	4.1 Dust Control-Road Watering	1,444.00	326.00	280.00	464.00	1,070.53	74%
	4.2 Dust Control-Street Sweeping	3,891.00	2,326.00	566.00	566.00	3,458.00	89%
	4.3 Air Quality Monitoring	2,909.00	114.00	114.00	1,699.00	1,957.01	67%
5.	Conservation Values	3,422.00					
	5.1 Environmental Awareness	697.00	0.40	86.00	33.00	119.11	17%
	5.2 Coral Reef Related Activities	59.00	-	-	-	0.00	0%
	5.3 Biodiversity Conservation	2,154.00	1.00	13.00	480.00	493.45	23%
	5.4 Mangrove Rehabilitation	512.00	90.00	46.00	4.00	140.50	27%
6.	Environmental Research	700.00					
	6.1 Various Studies	700.00	-	104.00	-	104.37	15%
7.	Others	15,001.00					
	7.1 MMT Validation & Inspection; MRFC Meetings	2,388.00	231.00	67.00	272.00	569.81	24%
	7.2 Other Inspection Audits; Training and Linkages	3,803.00	8.00	17.00	583.00	607.15	16%
	7.3 General Monitoring	8,810.00	1,584.00	1,777.00	2,033.00	5,394.26	61%
	TOTAL	86,390.00	11,017.00	11,223.00	19,619.00	41,859.30	48%

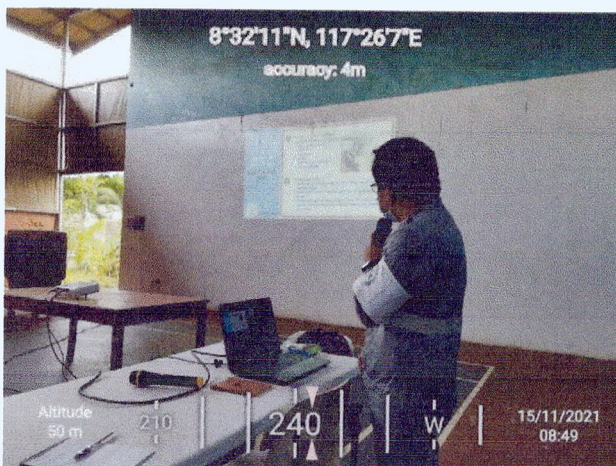
PHOTO DOCUMENTATION

MMT ENTRY MEETING

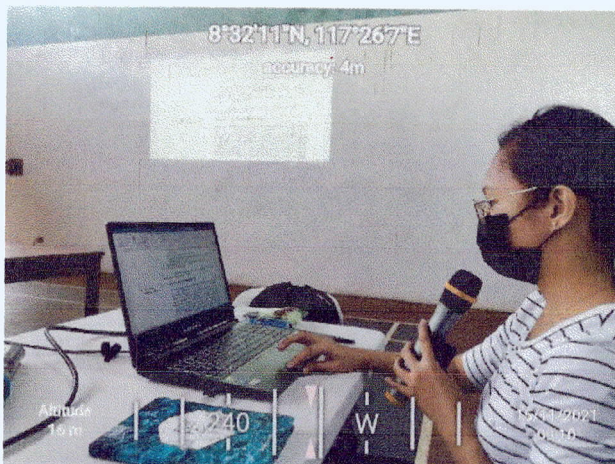
Presentation of Agenda



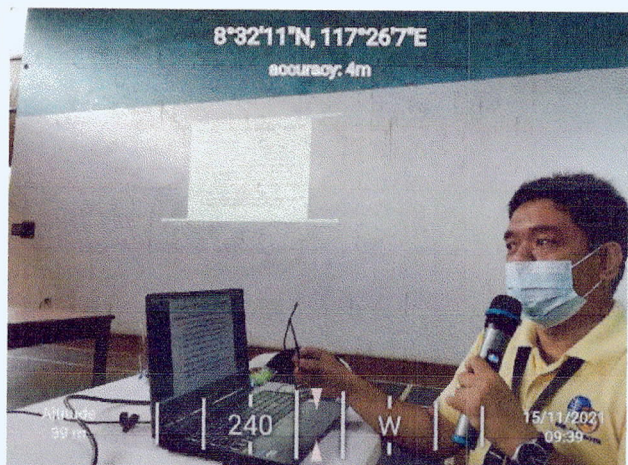
Safety Orientation



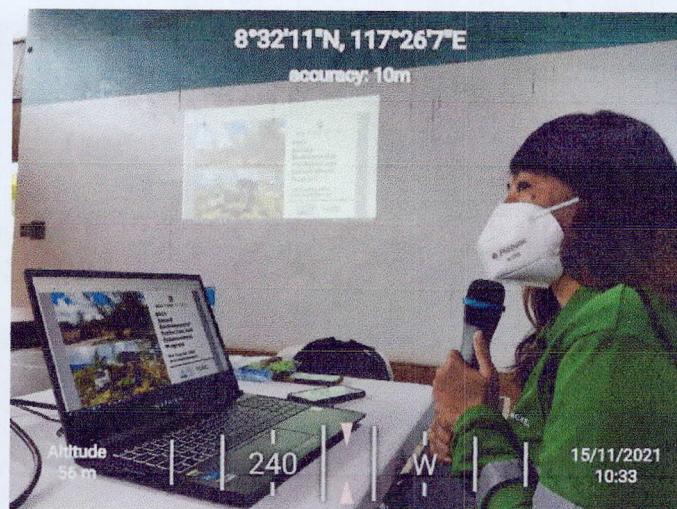
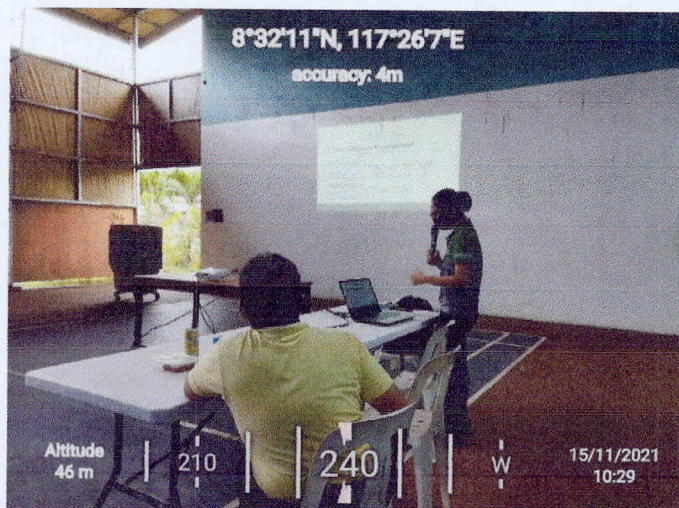
Highlights of Previous MMT Meeting



Highlights of 3rd Quarter 2021 MRFC Meeting



Presentation of 3Q 2021 Accomplishments



FIELD MONITORING

M18 & N18



Golden Park



P18



P17



J24



J24 (Con't.)



Lower Togpon Spillway



Lower Kinurong Siltation Pond



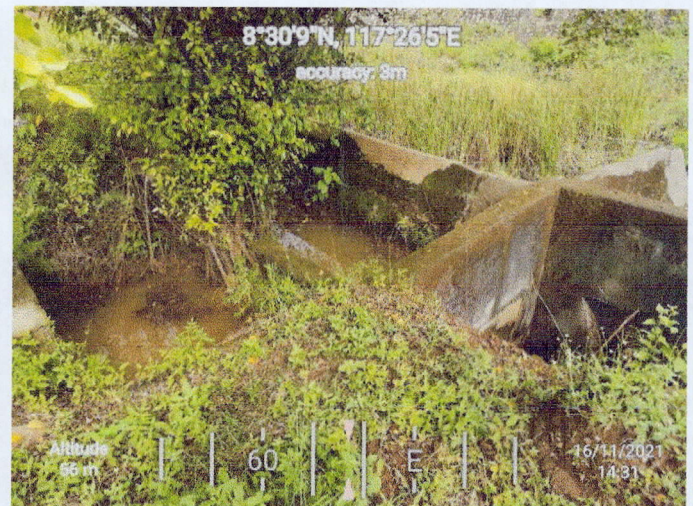
Port Facilities



Drainage and Siltation Control Facilities at Pier Site



Drainage and Siltation Control Facilities at Pier Site (Con't.)



Tagpisa Silt Containment Pond



Oil and Water Separator Facilities



Hazardous Waste Management Facilities



Nursery



Bamboo Contractors



Sanitary Landfill





Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
MIMAROPA Region

7/F DENR Building, 1516 Roxas Boulevard, Ermita, Manila
Telefax No. (+632) 536-0215 / (+632) 310-1369
Email: region4b@mgb.gov.ph



MMT MONITORING REPORT

Name of Company: **Rio Tuba Nickel Mining Corp. (RTNMC)**
Name of Project: **Rio Tuba Nickel Mining Project**
Location: **Brgy. Rio Tuba, Bataraza, Palawan**
Date of Monitoring: **February 21 – 26, 2022** Control No. **4Q21 RTNMC-Nickel**
Monitored by: **Multi-Partite Monitoring Team (MMT)**



JOEL V. BALQUIEDRA
MGB MIMAROPA

KATE GABRIELLE L. CASTILLO
MGB MIMAROPA

SHAKYRA KHEL I. BELMONTE
MGB MIMAROPA

INOCENCIO C. MAGALLANES
NGO – Haribon Palawan

JANICE M. TUPAS
MEPEO/PCO

ANA MARIA G. ACOSTA
PCSDS

PERLITA I. QUILING
PCSDS

SAMUEL B. CALIGBONG
BFAR

ROGER M. MONTAÑO
AVPP

ANGELICA JOY PATIO
IP/ICC

CONRADO M. CORPUZ
CENRO – Brooke's Point

ATTY. NOEL E. AQUINO
PC ENRO

HON. SIMMY V. DIDIK
LGU – Brgy. Rio Tuba

REYNALDO C. RIVERA
MENRO Bataraza

NELSON C. VIRGO
PHO

"MINING SHALL BE PRO-PEOPLE AND PRO-ENVIRONMENT
IN SUSTAINING WEALTH CREATION AND IMPROVED QUALITY OF LIFE."

MMT COMPLIANCE MONITORING AND VALIDATION REPORT (CMVR) FORM FOR MINING INDUSTRIES

Nickel Mining Project Rio Tuba Nickel Mining Corporation Barangay Rio Tuba, Bataraza, Palawan

Date of Compliance Monitoring and Validation: **February 21 – 26, 2022**

Monitoring Period Covered: **Oct. – Dec. 2021** Quarter/Semester Year: **4th Quarter 2021**

B.2. Compliance to Impact Management Commitments in EIA Report & EPEP

(Directions: The MMT shall check compliance of the Proponent to the commitments in the EMP.)

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
Mining Operation	1. LAND RESOURCES				
	1.1 Backfilling & Reshaping of Mined-out Areas/Topsoil Management	RTNMC used 34,707 cu.m. of topsoil and subsoil materials (173.54% of the target) for backfilling mined out areas at M18 and N18 with 4.4 hectares and berms with 0.7 hectares.	✓		Continue to conduct backfilling and reshaping of mined-out areas/topsoil management.
	To use 20,000 cu.m. of topsoil and subsoil materials for backfilling and store 20,000 cu.m. of topsoil (annual targets) with a budget of PHP1,525,000.00	192,795 cu.m. (963.98% of the target) of topsoil was also stored which was surveyed last Sept. 30, 2021. The said activities were conducted with a cost of PHP1,608,503.44 (105.48% of the budget).			
	1.2 Revegetation of Mined-out Areas	RTNMC revegetated 5.9 hectares (118.00% of the target) and constructed 4 projects (57.00% of the target) within the Ecotourism area with a cost of PHP8,527,309.70 as of January 2022 (50.73% of the budget).	✓		Accelerate the construction of the remaining facilities at the Ecotourism area to catch up with the plan for CY 2021 until March 2022.
	To revegetate 5 hectares at new rehabilitation area and to construct 7 projects at Ecotourism area (annual targets) with a budget of PHP16,809,000.00	The construction of Rio Croc, Huts, and ASEAN replica was completed. The remaining facilities to be built are the IEC Building, Tarukan, Macadam, and Sports Tourism.			
1.3 Maintenance/Enhancement of rehabilitated areas within MPSA	RTNMC maintained/enhanced 196.44 hectares of rehabilitated areas (100.00% of the target) by conducting	✓		Continue to maintain/enhance rehabilitated areas	

RINMC Nickel 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	To maintain/enhance 196.44 hectares (annual target) of rehabilitated areas within MPSA with a budget of PHP3,078,000.00	fertilizing, watering, degassing, enrichment planting, wildlife observation, and general patrolling. The said activities were conducted with a cost of PHP2,161,047.20 as of January 2022 (70.21% of the budget).			within MPSA.
	1.4 Reforestation of areas outside MPSA (New Plantation – NGP / Buffer Zone)	RTNMC reforested 19.39 hectares as of January 2022 (35.06% of the target) using bamboo. The company also collected 4,092 seedlings as of January 2022 (10.18% of the target).		X	Accelerate this activity to catch up with the plan for CY 2021 until March 2022.
	To reforest 55.3 hectares outside of MPSA and collect 40,190 bamboo seedlings from IP groups (annual targets) with a budget of PHP1,932,000.00	The said activities are implemented with a cost of PHP917,244.80 as of January 2022 (47.48% of the budget).			
	1.5 Maintenance/Enhancement of established Refo/NGP Areas	RTNMC maintained/enhanced 53 hectares of coffee plantation (100.00% of the target) and a total of 3,804.50 kg of coffee cherries were harvested.	✓		Continue to maintain/enhance coffee plantations and accelerate the maintenance/enhancement of NGP areas.
	To maintain/enhance 53 hectares of coffee plantation and 562.83 hectares of NGP areas (annual targets) with a budget of PHP1,758,000.00	562.83 hectares of NGP areas (100.00% of the target) were also maintained/enhanced through the conduct of continuous monitoring and patrolling to self-sustaining NGP areas and conduct of under brushing and de-grassing to Fuelwood area. The said activities were conducted with a cost of PHP900,261.91 as of January 2022 (51.21% of the budget).			
	1.6 Nursery Operation: In-house seedling production	Land preparation for the clonal project was completed (30% of the project) and a Notice to Commence was awarded to the contractor for the facility construction.		X	Accelerate this activity to catch up with the plan for CY 2021 until March 2022.
	To implement 1 nursery improvement project and to put 2,500 germplasm in the chamber (annual targets) with a budget of PHP2,901,000.00	6,240 germplasm was placed in the chamber (249% of the target). The said activities were conducted with a total cost of PHP526,116.33 (18.14% of the budget).			
	1.7 Nursery Operation: Out-sourced seedling production	RTNMC outsourced 257,954 seedlings (128.98% of the target) based on the year-end inventory of seedlings at	✓		Continue this activity.

RTNMC Nickel 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	To outsource 200,000 seedlings (annual target) with a budget of PHP2,600,000.00	Central Nursery with a cost of PHP2,493,960.00 as of January 2022 (95.92% of the budget).			
	1.8 Nursery Operation: Organic Fertilizer Production	RTNMC conducted 2 organic fertilizer production projects (100.00% of the target) with a cost of PHP468,110.00 (95.53% of the budget).	✓		Continue to conduct the organic fertilizer production projects.
	To implement 2 organic fertilizer production projects (annual target) with a budget of PHP490,000.00	The establishment of vermicomposting facilities is completed and produced 880kg in 2Q2021; 750kg in 3Q2021 and 2,823kg in 4Q2021. Meanwhile, 140.36tons of chicken dung was also acquired and used in fertilizing the rehabilitation and reforestation areas.			
	1.9 Establishment & Maintenance of Stockpile & Slope Greening	RTNMC established 2 hectares as of January 2022 (66.67% of the target) of the new stockpile and slope greening areas. The company also maintained 10 hectares (100% of the target) of the previous stockpile and slope greening areas. The said activities were implemented with a total cost of PHP1,440,657.84 (110.48% of the budget).		X	Accelerate this activity to catch up with the plan for CY 2021 until March 2022.
	To establish 3 hectares of the new stockpile and slope greening and maintain 10 hectares of the previous stockpile and slope greening (annual targets) with a budget of PHP1,304,000.00				
	1.10 Repair and Maintenance of environmental-structures (view decks, parks, nurseries, road maintenance)	RTNMC repaired and maintained 1 environmental-structure (100% of the target) with a cost of PHP265,400.57 (117.96% of the budget).	✓		Continue the repair and maintenance of envi-structures.
	To repair and maintain 1 environmental-structure (annual target) with a budget of PHP225,000.00	The improvement of the Teahouse at Tanawan and materials for Balay Kasaudan at GP-4 such as TV, ceiling fans, lighting, etc. were completed.			
2. WATER RESOURCE AND QUALITY					
	2.1 Maintenance of Siltation Ponds/Silt Collector Sumps	RTNMC maintained 5 ponds (100.00% of the target) and install 3 desilting pads in ponds (75.00% of the target) with a cost of PHP8,074,728.22 (51.01% of the budget).		X	Continue the maintenance of siltation ponds and silt collector sumps.
	To maintain 5 siltation ponds/silt collector sumps and install 4 desilting pads to				Install the remaining desilting pads to ponds.

RINMC Nickel 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	ponds with a budget of PHP15,830,000.00				
	2.2 Maintenance of Canals	RTNMC maintained 3 canals (100.00% of the target) with a cost of PHP223,340.93 (16.96% of the budget).		X	Continue the maintenance of canals.
	To maintain 3 canal sectors and implement 1 sludge treatment project (annual targets) with a budget of PHP1,317,000.00	No physical and financial accomplishment was reported for the implementation of the sludge treatment project. Clearance is being secured.			Accelerate the implementation of the sludge treatment project to catch up with the plan for CY 2021 until March 2022.
	2.3 Wastewater Treatment Facility (WWTF) operation and maintenance	RTNMC maintained and operated 14 WWTF (100% of the target) with a cost of PHP366,667.36 (46.53% of the budget).		X	Continue the maintenance and operation of WWTF.
	To maintain and operate 14 WWTF and implement 1 MARPOL Reqt project (annual targets) with a budget of PHP788,000.00	No physical and financial accomplishment was reported for the implementation of the MARPOL Reqt project. PR is ongoing.			Accelerate the implementation of the MARPOL Reqt project to catch up with the plan for CY 2021 until March 2022.
	2.4 Solid Waste Management	RTNMC was able to recycle 86% (100.00% of the target) of solid wastes generated with a cost of PHP1,859,661.94 (97.52% of the budget).	✓		Continue the proper solid waste management.
	To recycle a minimum of 50% of solid waste produced (annual target) with a budget of PHP1,907,000.00				
	2.5 Hazardous Waste Management	RTNMC conducted 1 hauling activity (50.00% of the target) of hazardous wastes produced and 1 installation of pull-up cover at HWSF (100.00% of the target) with a cost of PHP470,658.32 (107.95% of the budget).		X	Continue the proper hazardous wastes treatment and handling.
	To conduct 2 hauling activities of hazardous waste produced and 1 installation of pull-up cover at HWSF (annual targets) with a budget of PHP436,000.00	The company was not able to conduct the remaining hauling activity due to the additional requirements by the EMB for oil testing before transport.			Conduct the remaining hauling activity.
	2.6 Water Quality Monitoring	RTNMC conducted 12 effluent samplings (100.00% of the target) and 4 potability samplings (100.00% of the target).		X	Continue the water quality monitoring.
	To conduct 12 effluent samplings and 4 potability samplings and to implement 1 Aquatic/Biodiversity Assessment project (annual targets) with a	No physical accomplishments were reported in the Aquatic/Biodiversity Assessment project. PR is ongoing. The said activities were implemented			Conduct the planned Aquatic/Biodiversity Assessment project.

RTNMC Nickel 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

RTNMC Nickel 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	budget of PHP 3,295,000.00	with a cost of PHP1,979,290.14 (60.07% of the budget).			
	2.7 Repair & Maintenance of Environmental Structures (Settling ponds, Dikes, Canals)	RTNMC was able to repair/maintain 50% as of January 2022 of the Lower Togpon spillway improvement project with a cost of PHP10,749.03 (60.07% of the budget).		X	Adhere to the planned schedule of activities to catch up with the plan for CY 2021 until March 2022.
	To conduct 1 repair and maintenance of environmental-structure (annual target) with a budget of PHP1,335,000.00				
	3. NOISE AND VIBRATION				
	3.1 Noise and Vibration Level Monitoring	RTNMC conducted 12 noise and vibration monitoring (100.00% of the target) with a cost of PHP708,564.07 (47.46% of the budget).	✓		Continue to conduct noise and vibration level monitoring.
	To conduct 12 noise and vibration monitoring (annual target) with a budget of PHP1,493,000.00				
	4. AIR QUALITY				
	4.1 Dust Control-Road Watering	RTNMC conducted 14 km of dust control road watering (100% of the target) and utilized 113,246 cu.m of water (88.78% of the target) with a cost of PHP4,011,876.77 (277.83% of the budget). The company also acquired a road vacuum/sweeper.	✓		Continue the road watering as a dust control measure.
	To conduct 14 km of road watering and utilize 100,000 cu.m. of water (annual targets) with a budget of PHP1,444,000.00				
	4.2 Dust Control-Street Sweeping	RTNMC conducted 7 km of street sweeping (100.00% of the target) with a cost of PHP3,815,119.17 (98.05% of the budget).	✓		Continue the street sweeping activity as a dust control measure
	To conduct 7 km of street sweeping (annual target) with a budget of PHP3,891,000.00				
	4.3 Air Quality Monitoring	RTNMC conducted 12 air sampling (100.00% of the target) and 12 CO₂ monitoring (100.00% of the target). No physical accomplishment was reported in the CAAQMS project. The said activities were implemented with a cost of PHP963,166.95 as of January 2022 (33.11% of the budget).			Continue the regular air quality monitoring.
To conduct 12 air sampling and 12 CO₂ monitoring and implement 1 CAAQMS project (annual targets) with a budget of PHP2,909,000.00					

RTNMC Nickel 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B





RINMC Nickel 4th Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B



Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	5. CONSERVATION VALUES				
	5.1 Environmental Awareness	RTNMC reached 672 individuals (134.40% of the target) with a cost of PHP122,512.25 (17.58% of the budget).	✓		Continue to spread environmental awareness.
	To reach 500 individuals (annual target) with a budget of PHP697,000.00				
	5.2 Coral Reef Related Activities	No accomplishment and expenditure. PR is ongoing.		X	Adhere to the planned schedule of activities.
	To conduct 1 coral reef-related activity (Continuation of coral gardening), annual target, with a budget of PHP59,000.00				
	5.3 Biodiversity Conservation	RTNMC conducted 4 biodiversity conservation projects (133.33% of the target) with a cost of PHP1,458,678.12 (67.72% of the budget).	✓		Continue to conduct biodiversity projects.
	To conduct 3 biodiversity conservation projects (Arboretum, Ursula, BAP & WMP), annual target, with a budget of PHP2,154,000.00				
	5.4 Mangrove Rehabilitation	RTNMC maintained 32 hectares of mangrove areas (76.19% of the target) and conduct 1 project (100.00% of the target) with a cost of PHP361,353.54 as of January 2022 (70.58% of the budget).		X	Adhere to the planned schedule of activities.
	To maintain 42 hectares of mangrove areas and conduct 1 project (annual targets) with a budget of PHP512,000.00				
	6. ENVIRONMENTAL RESEARCH				
	6.1 Various Studies	1 study was conducted (100.00% of the target) with a cost of PHP155,182.50 as of January 2022 (22.17% of the budget).	✓		Continue the conduct of this activity.
	To conduct 1 study (annual target) with a budget of PHP700,000.00				
	7. OTHERS (E.G. TRAINING/WORKSHOPS/ CONFERENCES/LINKAGES/ MMT/MRFC ETC.)				
7.1 MMT Validation & Inspection; MRFC Meetings	3 MMT and 3 MRFC activities (75% of the target) were conducted with a total cost of PHP673,526.05 (28.20% of the	✓		Conduct the remaining MMT and MRFC activities for CY 2021.	

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	To conduct 8 MMT and MRFC activities (annual target) with a budget of PHP2,388,000.00	budget).			
7.2 Other Inspection Audits; Training and Linkages		11 inspections audits/training and linkages (275% of the target) were conducted with a cost of PHP74,519.05 (1.96% of the budget).	✓		Adhere to the planned schedule of activities.
	To conduct 4 inspection audits, training, and linkages and to implement 3 projects (annual targets) with a budget of PHP3,803,000.00	No physical and financial accomplishments were reported for the 3 projects to be implemented.			
7.3 General Monitoring		RTNMC conducted 48 weekly activities (100.00% of the target) with a cost of PHP7,375,255.25 as of January 2022 (83.71% of the budget).	✓		Continue the general monitoring activity.
	To conduct 48 weekly activities (annual target) with a budget of PHP8,810,000.00				

8. OTHER FINDINGS, OBSERVATIONS, AND RECOMMENDATIONS




- Relative to the findings and recommendations during 3rd Quarter 2021 MMT Validation, hereunder are the actions taken by Rio Tuba Nickel Mining Corporation (RTNMC) – Nickel Project and the validation thereto of the monitoring team:


OBSERVATIONS, FINDINGS, AND RECOMMENDATIONS DURING 3Q2021 MMT VALIDATION	STATUS OF COMPLIANCE	
	DURING 3Q2021 MMT VALIDATION	DURING 4Q2021 MMT VALIDATION
a. Accumulation of mud was noted in the loading area of the pier site due to the continuous rainfall for the past days. It was recommended to conduct regular sweeping and maintenance to prevent the accumulation of mud during rainy days.	 	 

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	b. Exposure of used bags was noticed in the sanitary landfill due to the mining activities conducted by the company. It is recommended to fast-track the rehabilitation of the said area.	<ul style="list-style-type: none"> It was observed that the area was already rehabilitated. <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 5px; text-align: center;"> DURING 3Q2021 MMT VALIDATION </div> <div style="border: 1px solid black; padding: 5px; text-align: center;"> DURING 4Q2021 MMT VALIDATION </div> </div> <div style="display: flex; justify-content: space-around;">   </div>			
	c. Drainage and siltation control facilities have stable embankments and are in good condition. Maintenance and regular monitoring of said facilities should be continued by the company.	<ul style="list-style-type: none"> Conduct regular monitoring and maintenance activities 			
	d. Adhere to the planned schedule to implement the remaining activities for C.Y. 2021 and should continue its maintenance and enhancement activities.	<ul style="list-style-type: none"> During the MRFC meeting last January 13, 2022, the company requested an extension for the conduct and implementation of targets and activities for C.Y. 2021 until March 2022. 			

2. Based on the field monitoring and document review at RTNMC – Nickel Project for the 4th Quarter 2021, hereunder are other findings, observations, and recommendations of the monitoring team:

OBSERVATIONS, FINDINGS, AND RECOMMENDATIONS DURING 4Q2021 MMT VALIDATION

a. Immediately conduct clean-up within the perimeter of the port site.	 
b. Reinstall diagram board in the oil and water separator facility of the motor pool.	

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendation
	Planned	Field Findings and Observations	Yes	No	
	c. Enrichment planting at J24	<div> <div>DURING 3Q2021 MMT VALIDATION</div>  </div> <div> <div>DURING 4Q2021 MMT VALIDATION</div>  </div>			
	d. On-going construction of Macadam and Sports Tourism at Golden Park				
	e. On-going construction of Lower Togpon Spillway	<div> <div>DURING 3Q2021 MMT VALIDATION</div>  </div> <div> <div>DURING 4Q2021 MMT VALIDATION</div>  </div>			
	f. Drainage and siltation control facilities have stable embankments and are in good condition. Maintenance and regular monitoring of said facilities should be continued by the company.				
	g. Adhere to the planned schedule to implement the remaining activities for C.Y. 2021 and should continue the maintenance and enhancement activities.				

SUMMARY OF AEPEP 2021 PHYSICAL ACCOMPLISHMENTS AS OF JANUARY 31, 2022

PHYSICAL ACCOMPLISHMENT												
AEPEP Components		Unit of Measure	Annual Target	Quarterly Accomplishment					Annual Accomplishment		% Annual Accomplishment	
				1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	As of Dec. 2021	As of Jan. 2022	As of Dec. 2021	As of Jan. 2022
1.	Land Resource											
	1.1 Backfilling & Reshaping of Mined-out Areas / Topsoil Management	topsoil & subsoil used in land prep, cu.m. topsoil stored, cu.m.	20,000 20,000	3,528	15,452	13,406	2,321			34,707		148.50% 152.07%
	1.2 Revegetation of Mined - out Areas	new rehab area, hectare Ecotourism project	5 7	0 0.02	0 0.02	0 0.4	5.9			192,795		173.54% 963.98% 118.00%
	1.3 Maintenance / Enhancement of rehabilitated areas within MPSA	previous rehab area, hectare	196.44	19.6	25	10	142			5.9	3 4	42.86% 57.14%
	1.4 Reforestation of areas outside MPSA (New Plantation – NGP / Bufferzone)	new bamboo plantation, hectare no. of bamboo seedlings	55.3 40,190	0 0	0 0	0 0		4.10	19.39	15.29		27.65% 35.06%
	1.5 Maintenance / Enhancement of established Refo / NGP Areas	coffee plantation area, hectare previous NGP area, hectare	53 562.83	53	53	53	53			3,256	4,092	8.10% 10.18%
	1.6 Nursery Operation: In-house seedling production	no. of germplasm in a chamber	2,500	3,952	-	2,288	-			562.83		100.00% 249.60%

PHYSICAL ACCOMPLISHMENT										
AEPEP Components	Unit of Measure	Annual Target	Quarterly Accomplishment					Annual Accomplishment		% Annual Accomplishment
			1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	As of Dec. 2021	As of Jan. 2022	
	nursery improvement project	1	-	-	0.3	-	-	0.3	-	30.00%
1.7 Nursery Operation: Out-sourced seedling production	seedling	200,000	2,085	360	49,223	-	-	257,954	-	128.98%
1.8 Nursery Operation: Organic Fertilizer Production	no. of projects: Vermicompositing and use of chicken dung	2	-	1	1	-	-	2	-	100.00%
1.9 Establishment & Maintenance of Stockpile & Slope Greening	establishment of new stockpile & slope greening areas, hectare	3	0	-	-	0.75	1	1	2	33.33%
	maintenance of the previous stockpile and slope greening areas, hectare	10	0	5	5	-	-	10	-	100.00%
1.10 Repair and Maintenance of enviro-structures (view decks, parks, nurseries, road maintenance)	project	1	0	0.25	0.75	-	-	1	-	100.00%
2. Water Resource and Quality										
2.1 Maintenance of Siltation Ponds / Silt Collector Sumps	no. of ponds	5	5	5	5	5	-	5	-	100.00%
	installation of desilting pads to ponds	4	1	1	1	-	-	3	-	75.00%

PHYSICAL ACCOMPLISHMENT										
AEPEP Components	Unit of Measure	Annual Target	Quarterly Accomplishment				Annual Accomplishment		As of Dec. 2021	% Annual Accomplishment As of Jan. 2022
			1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	As of Dec. 2021		
	project									
2.2 Maintenance of Canals	no. of canals	3	3	3	3	3		3	100.00%	100.00%
	sludge treatment project	1	-	-	-	-	-	0	0.00%	0.00%
2.3 Waste Water Treatment Facility operation and maintenance	no. of wwtf/OWS	14	14	14	14	14		14	100.00%	100.00%
	MARPOL Reqt project	1	-	-	-	-	-	0	0.00%	0.00%
2.4 Solid Waste Management	waste recycled (minimum)	50%	77%	91%	92%	86%		86%	100.00%	100.00%
2.5 Hazardous Waste Management	no. of hauling project	2	1	0	-	-	-	1	50.00%	50.00%
	no. of effluent sampling	12	3	3	3	3		12	100.00%	100.00%
2.6 Water Quality Monitoring	no. of potability sampling project	4	1	1	1	1		4	100.00%	100.00%
	spillway improvement at Lower Togpon project	1	1	-	-	-		0	0.00%	0.00%
2.7 Repair & Maint. of Envi Structures (Settling ponds, Dikes, Canals)		1	0	-	-	1	0.2	0.3	30.00%	50.00%
3. Noise and Vibration									100.00%	100.00%
3.1 Noise and Vibration Level Monitoring	no. of monitoring	12	3	3	3	3		12	100.00%	100.00%
4. Air Quality									102.65%	102.65%
4.1 Dust Control - Road Watering	kilometer	14	14	14	14	14		14	100.00%	100.00%
	cu.m.	100,000	29,246	22,484	37,058	24,458		113,246	113.25%	113.25%
4.2 Dust Control -	kilometer	7	7	7	7	7		7	100.00%	100.00%

PHYSICAL ACCOMPLISHMENT										
AEPEP Components	Unit of Measure	Annual Target	Quarterly Accomplishment				Annual Accomplishment		% Annual Accomplishment	
			1Q2021	2Q2021	3Q2021	4Q2021	1Q2022	As of Dec. 2021	As of Jan. 2022	As of Jan. 2022
Street Sweeping										
4.3 Air Quality Monitoring	no. of sampling CO ₂ e monitoring	12	3	3	3	3		12	100.00%	100.00%
		12	3	3	3	3		12	100.00%	100.00%
5. Conservation Values									88.78%	88.78%
5.1 Environmental Awareness	no. of reached	500	203	152	317	-		672	134.40%	134.40%
5.2 Coral Reef Related Activities	project	1	0	0	-	1		0	0%	0%
5.3 Biodiversity Conservation	project	3	1	1	1	1		4	133.33%	133.33%
5.4 Mangrove Rehabilitation	hectare	42	0	22	-	20		32	76.19%	76.19%
	project	1	0	0	1	-		1	100.00%	100.00%
6. Environmental Research									100.00%	100.00%
6.1 Various Studies	project	1	0	0	1	-		1	100.00%	100.00%
7. Others									87.50%	90.63%
7.1 MMT Validation & Inspection; MRFC Meetings	no. of times	8	2	2	2	2	1	6	75.00%	87.50%
7.2 Other Inspection Audits; Training and Linkages	no. of times	4	1	1	5	4		11	175.00%	175.00%
	no. of projects	3				-		0	0.00%	0.00%
7.3 General Monitoring	weekly activities	48	12	12	12	12		48	100.00%	100.00%
TOTAL									99.02%	100.21%

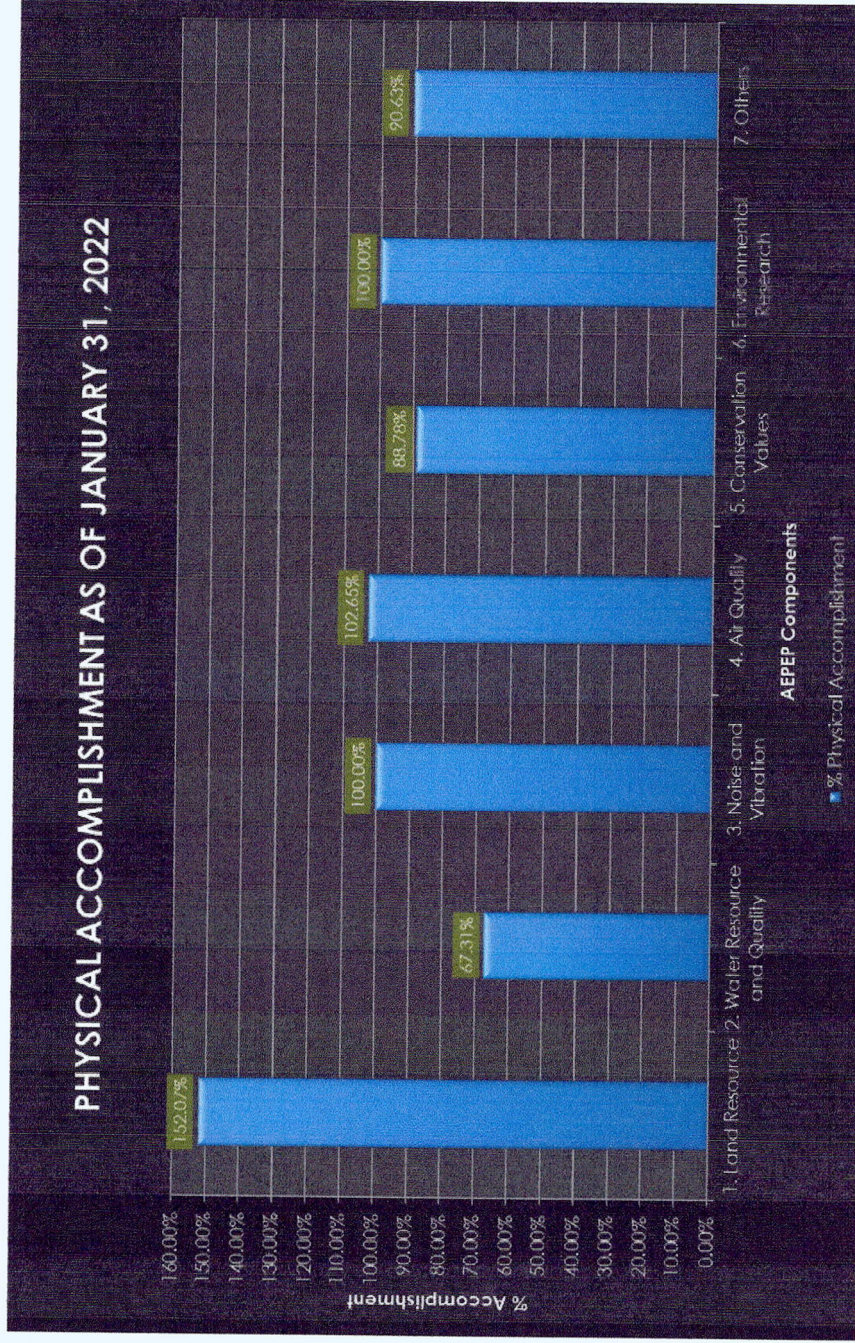
SUMMARY OF AEPEP 2021 FINANCIAL EXPENDITURES AS OF JANUARY 31, 2022

FINANCIAL ACCOMPLISHMENT										
AEPEP Components	Annual Budget, PhP'000	Quarterly Budget, PhP'000				Actual Expenditure, PhP		% Annual Budget Expenditure		
		1Q2021	2Q2021	3Q2021	4Q2021	As of Dec. 2021	As of Jan. 2022	As of Dec. 2021	As of Jan. 2022	
1 Land Resource	32,622.00					14,264,579.56	19,308,610.88	43.73%	59.19%	
1.1 Backfilling & Reshaping of Mined-out Areas / Topsoil Management	1,525.00	122	279	959	165	1,608,503.44		105.48%	105.48%	
1.2 Revegetation of Mined-out Areas	16,809.00	8,357	3,404	3,253	1,795	4,220,636.85	8,527,309.70	25.11%	50.73%	
1.3 Maintenance / Enhancement of rehabilitated areas within MPSA	3,078.00	591	860	990	637	1,957,844.06	2,161,047.20	63.61%	70.21%	
1.4 Reforestation of areas outside MPSA (New Plantation - NGP/Bufferzone)	1,932.00	714	870	207	141	640,481.41	917,244.80	33.15%	47.48%	
1.5 Maintenance / Enhancement of established Refo / NGP Areas	1,758.00	598	328	514	318	824,369.06	900,261.91	46.89%	51.21%	
1.6 Nursery Operation: In-house seedling production	2,901.00	389	73	2,358	81	526,116.33		18.14%	18.14%	
1.7 Nursery Operation: Out-sourced seedling production	2,600.00	520	1,560	520	-	2,312,460.00	2,493,960.00	88.94%	95.92%	
1.8 Nursery Operation: Organic Fertilizer Production	490.00	129	128	126	107	468,110.00		95.53%	95.53%	
1.9 Establishment & Maintenance of Stockpile & Slope Greening	1,304.00	444	243	463	154	1,440,657.84		110.48%	110.48%	
1.10 Repair and Maintenance of environmental structures (view decks, parks,	225.00	112	-	113	-	265,400.57		117.96%	117.96%	

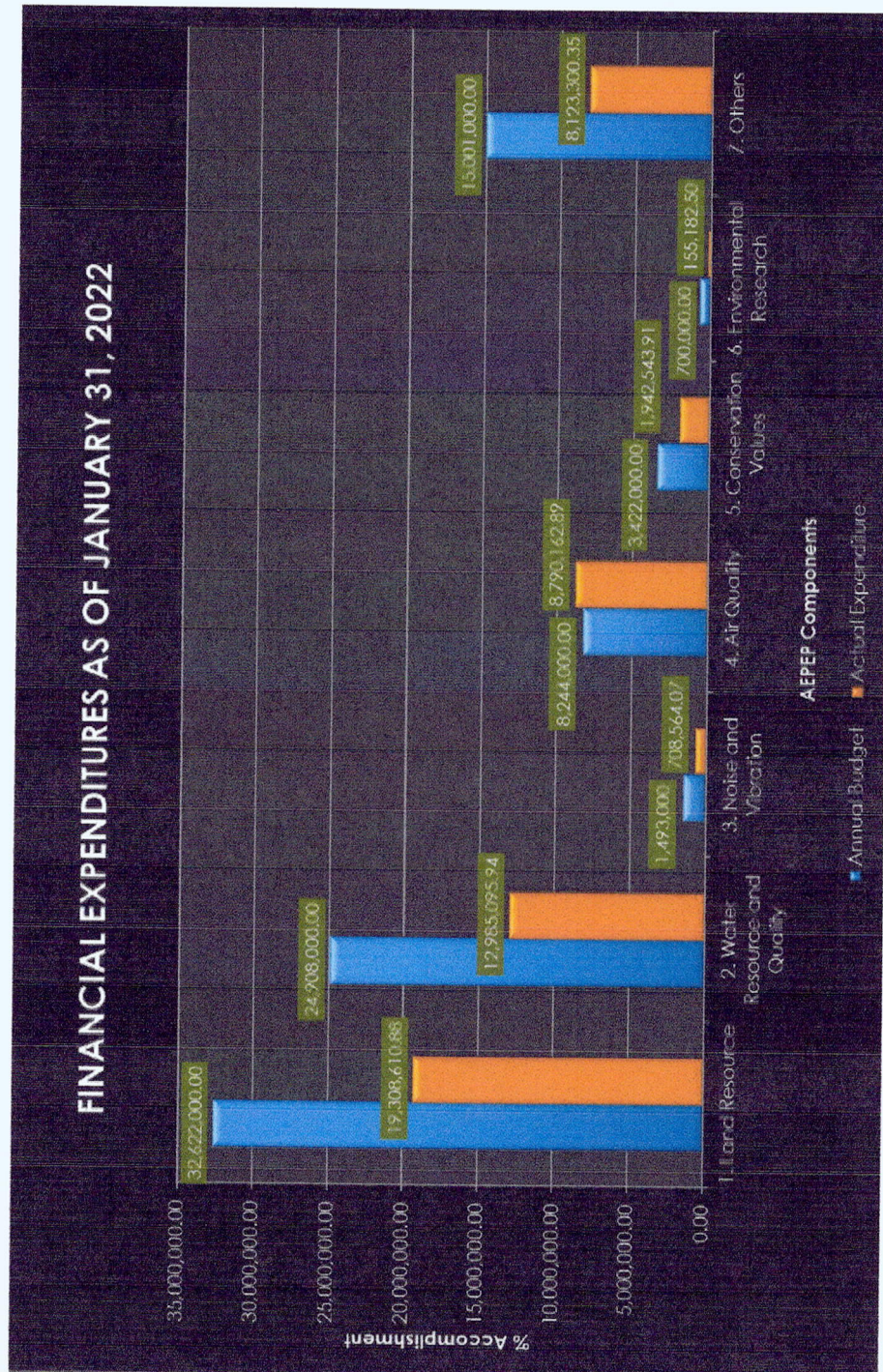
FINANCIAL ACCOMPLISHMENT

AEPEP Components	Annual Budget, Php'000	Quarterly Budget, Php'000				Actual Expenditure, Php		% Annual Budget Expenditure	
		1Q2021	2Q2021	3Q2021	4Q2021	As of Dec. 2021	As of Jan. 2022	As of Dec. 2021	As of Jan. 2022
nurseries, road maintenance)									
2 Water Resource and Quality	24,908.00					12,985,095.94		52.13%	52.13%
2.1 Maintenance of Siltation Ponds / Silt Collector Sumps	15,830.00	1,110	12,610	1,104	1,006	8,074,728.22		51.00%	51.00%
2.2 Maintenance of Canals	1,317.00					223,340.93		16.96%	16.96%
• Canal Sector		15	1,261	21	20				
• Sludge Treatment Project									
2.3 Waste Water Treatment Facility operation and maintenance	788.00					366,667.36		46.53%	46.53%
• WWTF/OWS		183	190	190	225				
• MARPOL Reqt Project									
2.4 Solid Waste Management	1,907.00	529	440	490	448	1,859,661.94		97.52%	97.52%
2.5 Hazardous Waste Management	436.00	330	15	82	9	470,658.32		107.95%	107.95%
2.6 Water Quality Monitoring	3,295.00	1,326	1,225	360	384	1,979,290.14		60.07%	60.07%
2.7 Repair & Maintenance of of Envi Structures (Settling ponds, Dikes, Canals)	1,335.00		1,355			10,749.03		0.81%	0.81%
3. Noise and Vibration	1,493.00					708,564.07		47.46%	47.46%
3.1 Noise and Vibration Level Monitoring	1,493.00	324	354	367	448	708,564.07		47.46%	47.46%
4. Air Quality	8,244.00					8,756,080.93	8,790,162.89	106.21%	106.62%
4.1 Dust Control - Road Watering	1,444.00	386	332	389	337	4,011,876.77		277.83%	277.83%
4.2 Dust Control - Street Sweeping	3,891.00	973	973	972	973	3,815,119.17		98.05%	98.05%
4.3 Air Quality Monitoring	2,909.00	400	182	2,122	205	929,084.99	963,166.95	31.94%	33.11%
5. Conservation Values	3,422.00					1,784,518.91	1,942,543.91	52.15%	56.77%

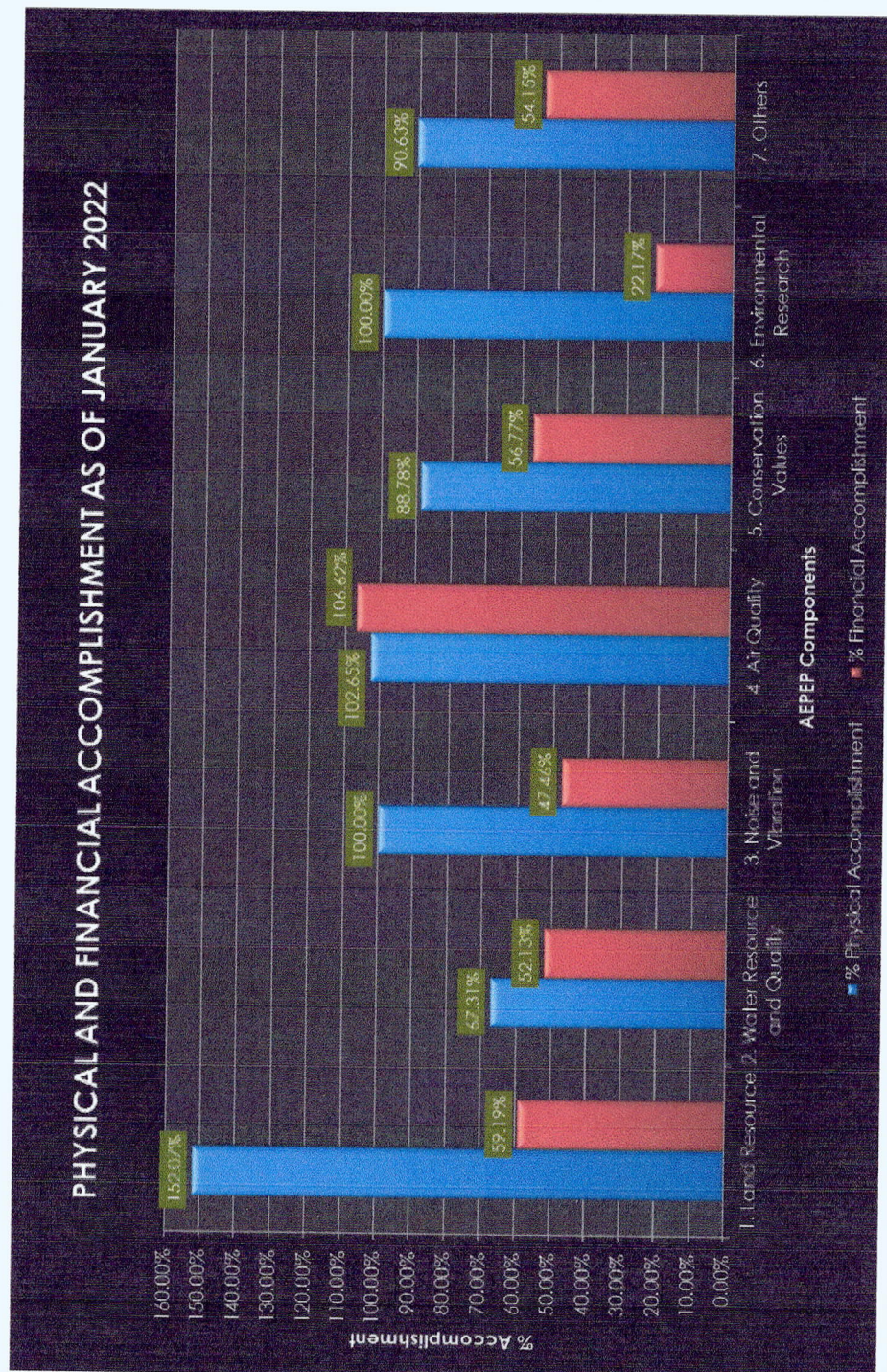
FINANCIAL ACCOMPLISHMENT									
AEPEP Components	Annual Budget, PHP'000	Quarterly Budget, PHP'000				Actual Expenditure, PHP		% Annual Budget Expenditure	
		1Q2021	2Q2021	3Q2021	4Q2021	As of Dec. 2021	As of Jan. 2022	As of Dec. 2021	As of Jan. 2022
5.1 Environmental Awareness	697.00	566	55	40	36	122,512.25		17.58%	17.58%
5.2 Coral Reef Related Activities	59.00	43	10	6	-	0		0.00%	0.00%
5.3 Biodiversity Conservation	2,154.00	1,099	45	22	988	1,458,678.12		67.72%	67.72%
5.4 Mangrove Rehabilitation	512.00	138	110	110	154	203,328.54	361,353.54	39.71%	70.58%
6. Environmental Research	700.00					134,682.50	155,182.50	19.24%	22.17%
6.1 Various Studies	700.00	-	700	-	-	134,682.50	155,182.50	19.24%	22.17%
7. Others	15,001.00					7,828,114.52	8,123,300.35	52.18%	54.15%
7.1 MMT Validation & Inspection; MRFC Meetings	2,388.00	584	396	480	928	673,526.05		28.20%	28.20%
7.2 Other Inspection Audits; Training and Linkages	3,803.00					74,519.05		1.96%	1.96%
• No. of firms		651	790	2,357	5				
• No. of projects									
7.3 General Monitoring	8,810.00	2,240	2,218	1,848	2,504	7,080,069.42	7,375,255.25	80.36%	83.71%
TOTAL	86,390.00					46,461,636.43	52,013,460.54	53.78%	60.21%



PHYSICAL ACCOMPLISHMENT as of January 31, 2022	
AEPEP COMPONENTS	% ACCOMPLISHMENT as of Jan. 2022
1. Land Resource	152.07%
2. Water Resource and Quality	67.31%
3. Noise and Vibration	100.00%
4. Air Quality	102.65%
5. Conservation Values	88.78%
6. Environmental Research	100.00%
7. Others	90.63%

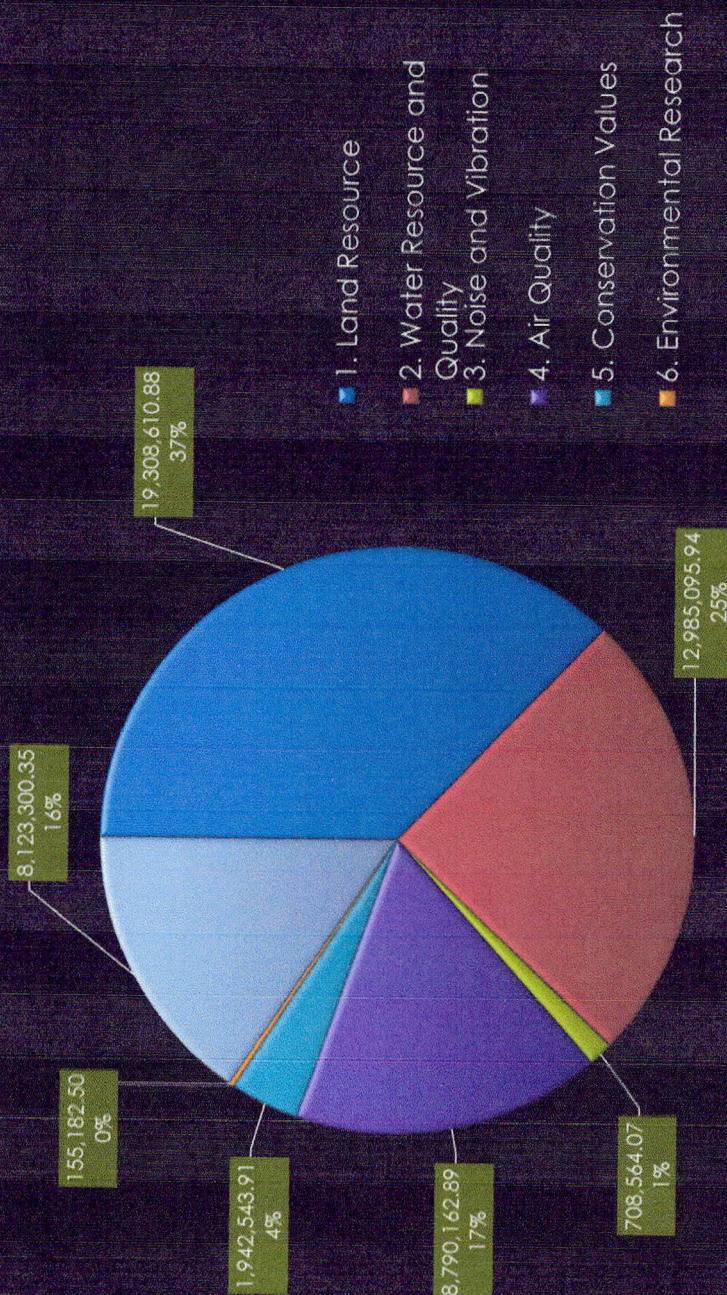


FINANCIAL EXPENDITURES as of January 31, 2022	
AEPEP COMPONENTS	BUDGET (Php)
1. Land Resource	32,622,000.00
2. Water Resource and Quality	24,908,000.00
3. Noise and Vibration	1,493,000
4. Air Quality	8,244,000.00
5. Conservation Values	3,422,000.00
6. Environmental Research	700,000.00
7. Others	15,001,000.00
	86,390,000.00
EXPENDITURES as of Jan. 2022 (Php)	
	19,308,610.88
	12,985,095.94
	708,564.07
	8,790,162.89
	1,942,543.91
	155,182.50
	8,123,300.35
	52,013,460.54



PHYSICAL AND FINANCIAL ACCOMPLISHMENT as of January 2022		
AEPEP COMPONENTS	% PHYSICAL ACCOMPLISHMENT	% FINANCIAL ACCOMPLISHMENT
1. Land Resource	152.07%	59.19%
2. Water Resource and Quality	67.31%	52.13%
3. Noise and Vibration	100.00%	47.46%
4. Air Quality	102.65%	106.62%
5. Conservation Values	88.78%	56.77%
6. Environmental Research	100.00%	22.17%
7. Others	90.63%	54.15%

EXPENDITURE AS OF JANUARY 31, 2022 (in PhP)



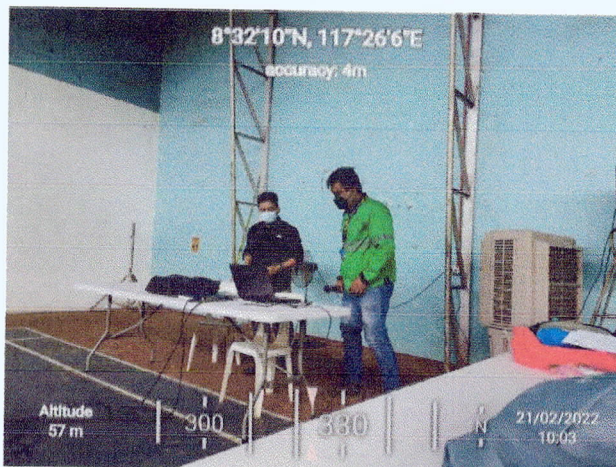
BUDGET AND EXPENDITURE as of January 2022	
AEPEP COMPONENTS	EXPENDITURES as of Jan. 2022 (PhP)
1. Land Resource	19,308,610.88
2. Water Resource and Quality	12,985,095.94
3. Noise and Vibration	708,564.07
4. Air Quality	8,790,162.89
5. Conservation Values	1,942,543.91
6. Environmental Research	155,182.50
7. Others	8,123,300.35
	52,013,460.54

PHOTO DOCUMENTATION

MMT ENTRY MEETING



Presentation of Agenda



Safety Orientation



Presentation of 4Q2021 AEPEP Accomplishments of RTNMC

FIELD MONITORING



Port Facilities



Drainage and Siltation Control Facilities at Pier Site



Motorpool



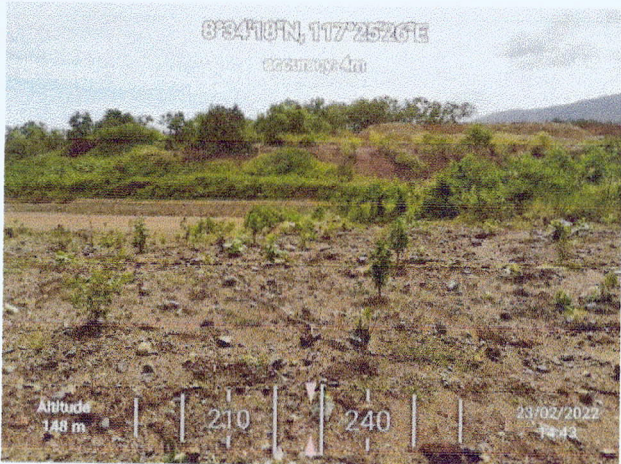
Hazardous Waste Management Facilities



Tagpisa Silt Containment Pond



Active Mine Area (J26 and 27)



J24 Rehabilitated Area



Golden Park



P18 Active Mining Area



Tanawan



Upper Togpon Siltation Pond



Lower Togpon Spillway



Lower Kinurong Siltation Pond



Nursery





Sanitary Landfill

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B

MMT COMPLIANCE MONITORING AND VALIDATION REPORT (CMVR) FORM
FOR MINING INDUSTRIES

GOTOK LIMESTONE QUARRY PROJECT
Barangay Sandoval, Barangay Rio Tuba and Barangay Iwahig, Bataraza, Palawan
Rio Tuba Nickel Mining Corporation

DATE OF COMPLIANCE MONITORING AND VALIDATION: November 15-21, 2021 and February 21-26, 2022
MONITORING PERIOD COVERED: July to December 2021 **Quarter/Semester Year:** 2nd Semester 2021

I. BASIC INFORMATION

A. Gotok Limestone Quarry Project

ECC Control No./Reference Code No.	:	ECC-CO-1801-0001
Date ECC Issued	:	June 13, 2019
Project Current Name	:	Gotok Limestone Quarry Project
Project Name in the ECC	:	Gotok Limestone Quarry Project
Project Status	:	Commercial Operation
Geographical Coordinates of the Project	:	8°35'50" to 8°36'20" north latitude and 117°27'45" to 117°28'15" east longitude
Proponent Name	:	Rio Tuba Nickel Mining Corporation – Gotok Limestone Quarry Project
Proponent Contact Person/Position	:	Engr. Rommel L. Cruz / Vice-President for Operations
Proponent Mailing Address	:	29 th Floor, NAC Tower, 32 nd Street, Bonifacio Global City, Taguig City
Proponent Telephone No./Fax No.	:	Telephone No.: 7879-601; Fax No.: 8128-826
Proponent Email Address	:	rommel.cruz@nickelasia.com
MMT Contact Person/Position	:	Joel V. Balquiedra/Supervising Science Research Specialist
MMT Mailing Address	:	Mines and Geosciences Bureau, MIMAROPA Region
MMT Telephone No./Fax No.	:	+639088940858
MMT Email Address	:	Joel.balquiedra@mgb.gov.ph

II. EXECUTIVE SUMMARY

Requirements		Complied		Remarks/ECC or EPEP Condition#
		Yes	No	
Compliance with ECC Conditions/Commitments	Validity	✓		ECC-CO-1801-0001 issued on June 13, 2019.
	Project coverage/limits/components	✓		Limestone Quarry Operation with an annual extraction rate of 725,000 WMT within the Mineral Production and Sharing Agreement (MPSA) No. 213-2005-IVB and crushing operations within MPSA No. 114-98-IV. The total project area to include

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B

			<p>its crushing facilities with Coral Bay Nickel Corporation is 51.10 hectares bounded coordinated delineated in the EPRMP.</p> <p>Components:</p> <ol style="list-style-type: none"> 1. Quarry Operation – 13 ha quarry area, quarry stockpile, top soil stockpile, silt collector sumps and access roads. 2. Crushing Plant Operation – 250 TPH crushing plant, crushed limestone stockpile area, access road and water settling/recycling ponds. 3. Hauls Roads – 6.80 km road connecting the quarry and crushing plant areas. 4. Magazine Areas – 0.5 ha located within the MPSA 114-98-IV.
	EMP and updates as deemed necessary	✓	The Annual Environmental Protections and Enhancement Program (AEPEP) is submitted to MGB, illustrating all environmental programs and mitigating measures that will be implemented for the year.
	Regular reporting of Self-Monitoring Results by the Project Proponent	✓	The 3 rd and 4 th Quarter SMRs were submitted thru online to EMB MIMAROPA on 15 October 2021 and 14 January 2022, respectively.
	Other sectoral requirements mandated by other agencies to be complied with	✓	Renewal of permits were secured during the semester. These include Mayor's Permits for RTNMC facilities and other permits specified in the ECC-CO-1801-0001 – Part III. Condition 1,2,3,4,5,6,7,8
Compliance with EPEP Commitments	Implementation of Environmental Impact Control Strategies	✓	Implementation of Environmental control measures/commitments included in the approved 2021 AEPEP are continuous.
	Safety	✓	Approved Annual Safety and Health Program (ASHP) 2021 were approved by the MGB MIMAROPA Region as per letter received dated 16 December 2020 signed by Regional

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				Director Roland De Jesus, CESO V.
	Rehabilitation	✓		Included in the activities of approved 2021 AEPEP.
Compliance with SDMP Commitments		✓		The 2021 Annual SDMP was approved by the MGB MIMAROPA was issued a Certificate of Approval on 15 January 2021. SDMP activities are continuously being implemented.
Complaints Management	Complaint receiving set-up	✓		Complaints regarding the quarry operation, Environmental laws, DENR permits, SEP Clearance are included in the MMT functions. MMT conducts investigation and / or addressed immediately. Concerns from the community are addressed through dialogues during IEC campaigns and regular Management and LGU officers' dialogue. Legitimate and valid concerns will be addressed immediately.
	Case investigation	✓		
	Implementation of control measures	✓		
	Communication with the complainant/ public	✓		
	Complaint documentation	✓		
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 assigned an accredited Pollution Control Officer and licensed engineers for the Project.
Others, please specify		-	-	None

III. PROCESS DOCUMENTATION OF ACTIVITIES UNDERTAKEN

Activities	Date Conducted	MMT Members Involved	Methodology/Other Remarks
Document Review of:	November 15-19, 2021 and February 21-26, 2022	All MMT members. Please see signatures below.	Covers data review per submitted accomplishment reports, actual field validation, consolidation of data, preparation of compliance reports and discussion of field
- Compliance with ECC Conditions/Commitments			
- Compliance with EPEP & SDMP Commitments			
- Compliance with DENR			

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Permits Conditionalities			findings and observations during the exit meeting.
- Compliance with SEP Clearance Conditionalities			
Site Validation – Ocular			
Site Validation - Confirmatory Sampling (if conducted)	MMT Regular Sampling Activities for 3Q2021 and 4Q2021 were conducted on 19-24 July 2021 and 15-20 November 2021 respectively	MMT Sampling Team	

IV. COMPLIANCE MONITORING RESULTS AND DISCUSSIONS

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

A.1. Gotok Limestone Quarry Project

Parameter	Specification (specify if in ECC or EPEP)	Within Specs?		Remarks - Description of Actual Implementation
		Yes	No	
Project Location (indicate geographic coordinates)	8°35'50" to 8°36'20" north latitude and 117°27'45" to 117°28'15" east longitude	✓		
Project Area (ha)	13 hectares quarry area	✓		As of December 2021 5.21 Rehabilitation area 3.93 Active Tenement area 3.68 Ancillary
Capital Costs	P378.902M	✓		
Type of Minerals	Limestone	✓		
Mining method(s)	Open cast mining	✓		Open cast mining method using conventional drilling and blasting technique and/or manual method.
Production		✓		Second Semester 2021 total production: Extraction: 54,344.00 WMT Production: 92,906.00 WMT
Mill/Processing Plant	Crushing Facility	✓		With cage guards, catwalks,

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B

				safety signs
Mine Life	Year 2022	✓		
Mineral Reserves/ Resources	5,174,830 DMT	✓		
Access/Transportation	Private plane or ship; Land transportation	✓		Approximately 236 km from Puerto Princesa City and about five (5) to six (6) hours by land. There is also an existing airstrip located in Brgy. Rio Tuba. This is primarily for the use of RTNMC. The runway is 1,700 m long by 30m beside the Macadam road.
Power Supply	From CBNC 22-megawatt coal-fired power plant; 75KW cat and 132 KW Olympian gens ets for Pier site	✓		
Mining Equipment	Quarrying equipment, crushing equipment, and auxiliary machinery	✓		Normal operation during validation
Workforce	As of December 2021 Gotok Limestone Quarry has 102 regular employees	✓		90% of RTNMC's employees are from the Municipality of Bataraza; 5% are from other municipalities within Palawan while the remaining 5 % are from other provinces.
Development/Utilization Schedule	Mine life until year 2022	✓		
Other Components				

B. Review & Validation of Proponent's Self-Monitoring Report

B.1 COMPLIANCE TO OTHER ECC CONDITIONS

Directions: The MMT shall check documentary compliance of the Proponent to the conditions stipulated in the ECC.

ECC CONDITIONS		Complied?		PROOF OF COMPLIANCE/Remarks
		Yes	No	
PROJECT DESCRIPTION				
This Certificate cover the limestone quarry operation with an annual extraction rate of 725,000 WMT within		✓		2 nd Semester 2021 Extraction: 54,344.00 WMT Production: 92,906.00 WMT

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B

<p>the Mineral Production and Sharing Agreement (MPSA) No. 213-2005-IVB and crushing operations within MPSA No 114-98-IV. The total project area to include its crushing facilities and common facilities with Coral Bay Nickel Corporation is 51.10 hectares bounded coordinated delineated in the EPRMP.</p> <p>This project shall have the following components:</p> <ul style="list-style-type: none"> • Quarry Operation –13 ha quarry area, quarry stockpile, top soil stockpile, silt collector sumps and access roads • Crushing Plant Operation – 250 TPH crushing plant, crushed limestone stockpile area, access road, and water settling/recycling ponds • Hauls Roads – 6.80 km road connecting the quarry and crushing plant areas • Magazine Areas – 0.5 ha located within the MPSA 114-98-IV. 			
I. CONDITIONS			
<p>ENVIRONMENTAL MANAGEMENT</p> <p>1. The proponent shall continue to observe appropriate quarrying and vegetative restoration practices, land use, soil and water management, which shall include but not limited to the following:</p> <p>a. Proper stockpiling and disposal of materials generated from the quarry site, silt materials scooped out from the settling ponds, and other solid waste in permanent, stabilized areas away from any water body and drainage systems, as well as maintained in safe and non-polluting conditions;</p> <p>b. Strictly effect stabilization and erosion control of all sides slopes of the roads and nearby gullies, creeks</p>	✓		<ul style="list-style-type: none"> - AEPEP 2021 was approved by the MGB MIMAROPA and issued a Certificate of Approval dated February 1, 2021. All activities in the submitted AEPEP are generally being implemented. - Stockpiling of materials is maintained and waste materials are reported through Mine Waste Tailings Report. - Progressive rehab and temporary revegetation is conducted on slopes. This year's rehabilitation will begin during the rainy season.

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
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<p>and rivers affecting impact areas, as well as those of siltation ponds;</p> <p>c. Use the recovered topsoil for re-soiling or as soil cover on waste dumps and other disturbed areas for rehabilitation and re-vegetation. Temporary stockpiles shall be properly maintained and managed; and</p> <p>d. Provision of necessary storm drainage and diversion canals, culverts, and other flood control measures to adequately receive and channel the silt-laded runoff away from natural receiving bodies of water.</p>		<ul style="list-style-type: none"> - Topsoil stockpiled not more than 3 meters high and covered with canvas and grass. During the covered period 3,819 cubic meters of topsoil was utilized in preparation for the planting season. - Two silt containment sumps are maintained in the quarry area while a water recycling facility is maintained in the crushing plant area. A total of 5,944.65 cubic meters of silt materials were dredged these ponds for the semester. - The installation of box culvert at the access road to Gotok Quarry is currently ongoing.
<p>2. Continue implementation of an effective Information, Education and Communication (IEC) Program to inform and educate all stakeholders, especially its contractors, workers, and local residents about the following:</p> <p>a. Mitigating measures embodied in its EPRMP, the conditions stipulated in this Certificate and the environmental and human safety features of the project for greater awareness, understanding and sustained acceptance of the project;</p> <p>b. Disaster risk reduction management measures and climate change related issues/concerns; and</p> <p>c. Schedule of blasting operations and safety protocols.</p>	<p>✓</p>	<p>Continuous IEC activities are being conducted to increase the awareness of stakeholders on relevant information regarding safety protocols, environmental management and operation.</p> <p>Approved ASHP & ERPP are established and implemented</p> <p>Blasting schedules is properly coordinated and sirens are sounded before and after the detonation of the explosives to signal</p>

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
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Submit a report of IEC implementation to the EMB Central Office and EMB MIMAROPA as part of the semi-annual Compliance Monitoring Report (CMR);			the start and end of the activity. All blasting activity is also made with the presence/witnessing by the PNP. Complied.
3. Continue implementation of Social Development and Management Plan with indigenous people (IP) and non-IP as well as other existing agreements with the affected communities;	✓		Approved Social Development and Management Program (SDMP) with a duly issued Certificate of Approval by the Mines and Geosciences Bureau (MGB) is being implemented for the second semester 2021.
4. Maintain a reforestation and carbon sink program using endemic/indigenous species to offset greenhouse gas (GHG) emissions of the project in line with DENR's thrust for GHG emissions reduction programs and National Greening Program. The program shall be submitted to EMB Central Office and EMB MIMAROPA thirty (30) days upon receipt of this certificate;	✓		The initial GHG Emissions Reduction Report was submitted and received by EMB Central Office and EMB MIMAROPA last August 16, 2019.
5. Maintain and further enhance the 40 meters wide buffer zone landward along the river system/stream banks' high water line and along the entire periphery of the project;	✓		There is no recognized perennial body of water within the operational area of the quarry. Nevertheless, green buffer zones are maintained along the perimeter of the project site as part of the project's EPEP.
6. Implementation of cave management program exclusive and limited to the project area which will include buffer zone maintenance and protection of caves from blasting activities;	✓		Caves are identified, mapped and signage installed within the area of operation to prohibit activities that will affect these land forms.
7. Controlled blasting operation shall be implemented to minimize ground vibration, air blast and potentially dangerous flyrocks. Sirens shall be sounded before and after blasting to announce start and end of blasting	✓		Before blasting operations the area is cleared and sirens are sounded before and after blasting to signal the start and end of the activity. All blasting activity is also made with the presence/witnessing by the

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
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activity. Blasting activity should be undertaken during day time only;			PNP.
GENERAL CONDITIONS			
8. The proponent shall comply with the environmental management and protection requirements of the pertinent provisions of the Philippine Mining Act of 1995 (RA No. 7942) and its Revised Implementing Rules and Regulations (DAO No. 2010-21), Harmonization of the Implementation of the Philippine Environmental Impact Statement System and the Philippine Mining Act of 1995 (DAO No. 2015-02) and Guidelines on Public Participation under the Philippine Environmental Impact Statement System (DAO No. 2017-15)	✓		Provisions are generally complied and Regular validation were made by the MMT and periodic SHES Audit. For the covered period MMT Validation was conducted on November 15-21, 2021 and February 21-26, 2022 while EMB Audit was conducted last October 20-22, 2021.
9. The proponent shall ensure its contractors and sub-contractors strictly comply with the relevant conditions of this Certificate;	✓		Complied and maintained.
10. Submission of a CMR through EMB Central Office Online (CMR-Online) System together with report on SDMP;	✓		CMR for the second semester 2021 was submitted through online.
II. RESTRICTIONS			
11. No activities shall be undertaken other than what where stipulated in the final EPRMP;	✓		No activity other than what is stipulated on the EPRMP is implemented in the area.
12. In case of transfer of ownership of this project, these same conditions and restrictions shall apply and the transferee shall be required to secure an amendment of this ECC with the EMB Central Office within fifteen (15) days from the transfer of ownership.	✓		No transfer of ownership has transpired yet since the issuance of this certificate.
III. RECOMMENDATIONS TO CONCERNED GOVERNMENT AGENCIES			
1. Proponent shall comply with the following: a. Sanitation Code of the Philippines	✓		Sanitary Permit and Certificate of

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
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b. Building Code of the Philippines			Potability for drinking were secured and valid.
c. Ecological Solid Waste Management Act			Building Permits are secured and valid.
			Wastes are collected at the quarry and the crushing plant is collected and disposed at the Categorized Sanitary Landfill. While waste generated by the contractor is being managed by them.
2. Labor Code of the Philippines and occupational health and safety standards for mining activities.	✓		Complied and maintained.
3. Tree cutting permit	✓		Not applicable as of the moment since there are no new areas to be opened.
4. Water rights permit	✓		Not applicable to RTNMC's Gotok Limestone Quarry Operations
IV. ENVIRONMENTAL PLANNING RECOMMENDATIONS			
5. Preference for employment shall be given to qualified local residents. Adequate public information on jobs available for local residents in the affected areas shall be provided;	✓		Complied.
6. The proponent to conduct Biodiversity Monitoring System/Program as well as analysis in coordination with the DENR and PCSD;	✓		Biodiversity Assessment and Monitoring Report was submitted to, and received by, the respective agencies last December 29, 2020.
7. An independent third party shall be commissioned to undertake an environmental audit, including auditing of risks and hazards of the Project, shall be submitted to EMB Central Office; and	✓		The report of the Third-Party Environment Audit was submitted to MGB Central office copy furnished EMB last March 3, 2021.
8. A continuing study on the effects of the project on health of workers and affected residents shall be conducted every five (5) years. The result of the study shall be submitted to the Department of Health (DOH).	✓		Environment Health Impact Assessment report was submitted to, and received by, the respective agencies last December 14, 2020.

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
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C. AIR QUALITY IMPACT ASSESSMENT

Sampling Location 6: Gotok Southwest

PARAMETER	RESULT		MMT Confirmatory Sampling (explain necessity in box below)		EQPL*			REMARKS
	in SMR				RED FLAG	ACTION	LIMIT	
	CURRENT 4Q21	PREVIOUS 3Q21	CURRENT 4Q21	PREVIOUS 3Q21				
1. TSP (µg/Ncm)			32	15			300	Passed
Date/time of sampling: November 17, 2021 / 9:46 AM – 10:46 AM; July 22, 2021 / 10:20 – 11:20 AM								
Weather and wind direction: Sunny / Sunny								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station: MMT Regular Sampling								

Sampling Location 7: Gotok Southeast

Sampling Location 7: Gotor Southeast

PARAMETER	RESULT		MMT Confirmatory Sampling (explain necessity in box below)		EQPL*			REMARKS
	in SMR				RED FLAG	ACTION	LIMIT	
	CURRENT 4Q21	PREVIOUS 3Q21	CURRENT 4Q21	PREVIOUS 3Q21				
1. TSP ($\mu\text{g}/\text{Ncm}$)			31	17			300	Passed
Date/time of sampling: November 17, 2021 / 10:03 AM; July 22, 2021 / 10:35 AM – 10:35 AM								
Weather and wind direction: Sunny / Sunny								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station: MMT Regular Sampling								

- EQPL-Environmental Quality Performance Level
 - Alert of Red Flag-early warning
 - Action Level-point where management measures must be employed to reverse deterioration to pre-impact or optimum environmental quality
 - Limit Level-regulated threshold of pollutant (standard that must not be exceeded)

Overall Air Quality Impact Assessment:

All parameters are within the DENR standards.

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
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D. WATER QUALITY IMPACT ASSESSMENT

Sampling Location 16: Oning (Gotok Spring)

Sampling Location 10: Oning (GotoK Spring)

Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Water Quality Criteria (DAO 2016-08) Class C	
	CURRENT 4Q21	PREVIOUS 3Q21	CURRENT 4Q21	PREVIOUS 3Q21				
TSS, mg/L			3	4			100	Within the criteria
Date/time of sampling: November 18, 2021; July 21, 2021								
Weather and wind direction: Sunny								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station: MMT Regular Sampling								

Sampling Location 17: Gotok Entry Tunnel (Underground)

Sampling Location 17: <u>Sotox Entry Tunnel (underground)</u>								
Parameter	Result				EQPL			Remarks
	In SMR		MMT Confirmatory Sampling (explain necessity in box below)		Red Flag	Action	Water Quality Criteria (DAO 2016-08) Class C	
	CURRENT 4Q21	PREVIOUS 3Q21	CURRENT 4Q21	PREVIOUS 3Q21				
TSS, mg/L			54	22			100	Within the criteria
Date/time of sampling: November 18, 2021; July 21, 2021								
Weather and wind direction: Sunny								
Explanation of why confirmatory sampling was conducted for specific parameter in the sampling station: MMT Regular Sampling								

- EQPL-Environmental Quality Performance Level
 - Alert of Red Flag-early warning
 - Action Level-point where management measures must be employed to reverse deterioration to pre-impact or optimum environmental quality
 - Limit Level-regulated threshold of pollutant (standard that must not be exceeded)

Overall Water Quality Impact Assessment

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
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All parameters are within the DENR standards.

F. 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?		Remarks
	Handling	Storage	Disposal	Yes	No	
Hazardous waste (Busted Fluorescent lamp, Containers previously containing chemical substance, Used oil, Used oil (Sludge), Pathological or infectious waste, Used Batteries, Oil contaminated materials, Grease Waste)	Collected and contained in steel drums with proper label.	Stored in THWSF with compartments, adequate ventilation, signage, oil spill kit, and fire hydrants.	Hauled and treated by DENR accredited haulers and treaters	✓		Hazardous waste generated as of 2 nd Semester 2021: I101 – Used oil – 49 liters I104 – Oil-contaminated materials – 8.7 kg M506 – Waste Electronics – 3.2 kg D406 – Used Batteries – 0.5775 ton D407 – Busted Fluorescent Lamp – 0.003 ton
Residual wastes	Color-coded trash cans/bins were distributed at the mine, plant and town sites.	Garbage trucks and compactors pick up the garbage and dump to Landfill (GP-28).	Garbage dump to the SLF are covered with soil twice a week	✓		Total Volume of residual wastes generated for the 2 nd semester 2021 is 0.415 ton. NO PLASTIC policy is continuously being implemented to minimize unnecessary plastic generation.
Recyclable		Other recyclable materials are recovered and diverted from waste stream through an MRF		✓		Total volume of recyclables generated for the 2 nd semester 2021 is 0.269 ton.

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B

		located at the SLF				
Biodegradable		Biodegradable wastes are stored in the Composting Facility		✓		Total volume of biodegradable wastes generated for the 2 nd semester 2021 is 0.182 ton .

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

Chemicals in PCL and CCO	Adequate?* (Put/If Adequate)				Remark
	Risk Management	Training	Handling	Emergency Preparedness	
	N/A				

H. Complaints Verifications and Management

Date Filed	Filed Where? (pls. check)				Nature of Complaint	Resolutions Made
	DENR	Company	MMT	Others, Specify		
	N/A					

I. Other Remarks/Recommendation/Documentations:

Photos were taken during the conduct of Monitoring on **November 15-21, 2021** and **February 21-26, 2022**



Figure 1. Gray Cave the only cave situated in the 13 hectares quarry site.



Figures 2 to 3. Rehab

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B



Figures 4 to 5. Silt Collector Sump No. 1 & 2.



Figure 6. On-going activity during monitoring.



Figures 7 to 8. Gotok Quarry Nursery

RIO TUBA NICKEL CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
2nd Semester 2021 Compliance Report to DAO 2015-02 ANNEX B



Figure 9. Seedling Shed with 8,000 seedlings capacity; Vermicomposting Facility of Gotok Limestone Quarry Project



Figures 12 to 15. Established Clonal Nursery.



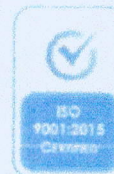
Figure 16. Waste bins/containers and waste segregation signage at Gotok Quarry Nursery



Figures 17 to 18. Limestone Crushing Plant Silt Containment Pond.




Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
MIMAROPA Region
7/F DENR Building, 1516 Roxas Boulevard, Ermita, Manila
Telefax No. (+632) 536-0215 / (+632) 310-1369
Email: region4b@mgb.gov.ph




MMT MONITORING REPORT

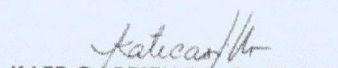
Name of Company: **Rio Tuba Nickel Mining Corp. (RTNMC)**
Name of Project: **Gotok Limestone Quarry Project**
Location: **Brgys. Rio Tuba, Iwahig, and Sandoval, Bataraza, Palawan**
Date of Monitoring: **November 15 – 20, 2021** Control No. **3Q21 RTNMC -Limestone**
Monitored by: **Multi-Partite Monitoring Team (MMT)**

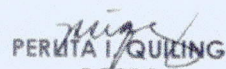


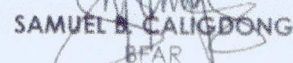

JOEL V. BALQUIEDRA
MGB MIMAROPA


MERLINDA Y. HILARIO
PCSDS

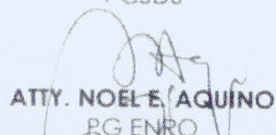

CONRADO M. CORPUZ
CENRO – Brooke's Point

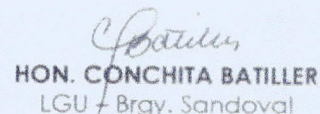

KATE GABRIELLE L. CASTILLO
MGB MIMAROPA

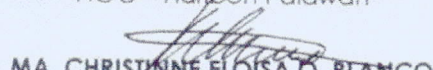

PERITA I. QUILING
PCSDS

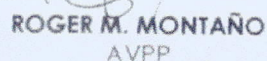

SAMUEL B. CALIGDONG
BFAR

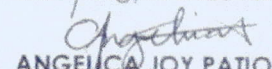

INOCENCIO C. MAGALLANES
NGO – Haribon Palawan

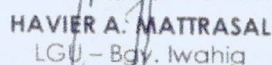

ATTY. NOEL E. AQUINO
PG ENRO


HON. CONCHITA BATILLER
LGU – Brgy. Sandoval


MA. CHRISTINNE ELOISA Q. BLANCO
MEPEO RTNMC


ROGER M. MONTAÑO
AVPP


ANGELICA JOY PATIO
IP/ICC


HAVIER A. MATRASAL
LGU – Brgy. Iwahig


HON. SIMMY V. DIDIK
LGU – Rio Tuba

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MIMAROPA Region


7/F DENR Building, 1515 Roxas Boulevard, Ermita, Manila
Telefax No. (+632) 536-0215 / (+632) 310-1369
Email: region4b@mgb.gov.ph

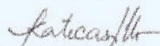



MMT MONITORING REPORT


Name of Company: **Rio Tuba Nickel Mining Corp. (RTNMC)**
Name of Project: **Gotok Limestone Quarry Project**
Location: **Brgys. Rio Tuba, Iwahig, and Sandoval, Bataraza, Palawan**
Date of Monitoring: **February 21 – 26, 2022** Control No. **4Q21 RTNMC -Limestone**
Monitored by: **Multi-Partite Monitoring Team (MMT)**

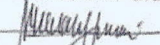


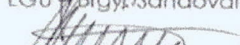

JOEL V. BALQUIEDRA
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

KATE GABRIELLE L. CASTILLO
MGB MIMAROPA



SHAKYA KHEL I. BELMONTE
MGB MIMAROPA



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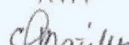

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PCO

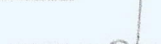

ANA MARIA G. ACOSTA
PCSDS

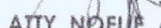

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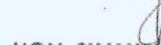

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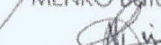

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"MINING SHALL BE PRO-PEOPLE AND PRO-ENVIRONMENT
IN SUSTAINING WEALTH CREATION AND IMPROVED QUALITY OF LIFE."

NATIONAL GREENING PROGRAM**MMT Validation Report**Covering 4th Quarter Accomplishment

DATE OF VALIDATION : February 20-25, 2022

I. NAME OF COMPANY : RIO TUBA NICKEL MINING CORPORATION – GOTOK LIMESTONE QUARRY PROJECT
Location : Brgys. Rio Tuba, Sandoval & Iwahig, Bataraza, Palawan
Tenement No. : MPSA 213-2005-IVB
Year Mining Forest was Initiated: 2011

II. ACCOMPLISHMENTS:

A. DEVELOPMENT PLANS: // Long-Range Plan /V/ Annual Plan
 (Attach photocopy(ies).)

B. NURSERY OPERATIONS:

/v/ Own Nursery // Joint Venture // Acquired from Other Sources

Name of Nursery	Area (m ² /ha)	Capacity (No. of Seedlings Produced)*
Gotok Quarry Nursery	500	20,000 – 30,000
Community Nurseries	N/A	N/A

Seedling Inventory for the Year

No. of Seedlings				No. of Seedlings Out-Planted		No. of seedlings donated	Mortality	Balance in Stocks
Previous Stocks	Produced	Acquired	Total	Planted for the Year	Replanted for the Year			
8,913	5,065	N/A	13,978	1,016	0	16	10	12,934

C. EXTENT OF PLANTED AREAS (ha)**NGP****REHAB****TOTAL**

Total Area Planted to Date : 68.50 has. 5.21 has 73.71 has.
 Previous Plantations : N/A 4.72 has 4.72 has
 New Plantations or Expansion : N/A 0.49 ha. 0.49 ha.

D. DISTURBED AREAS (ha)**1. Areas directly affected by the operations**

(Itemize all areas in a separate sheet.)

Particular	Area (ha)
a. Inactive Tenement Areas (Undisturbed)	71.72
b. Rehabilitated/Reforested Areas (as of June 2021)	5.21
Permanent Rehab. (5.0)	
Temporary Rehab (0.21)	
c. Active Tenement	3.93
d. Ancillary	3.68
T o t a l	84.54

2. Environmental Incidence Resulting to Damages

	Yes	Area Affected (ha)	No
a. Siltation Pond			V

e. Others (specify)			X
T o t a l			

(Note: Exclude areas that were previously rehabilitated.)

E. MAINTENANCE AND PROTECTION

1. Plantation Activities

	Plantation Category							
	Old (>JJ18)	New						Total
		Recent			Latest			
		JD18JD19	JJ20JJ21	Sub-Total	JD201	JJ22	Sub-Total	
No. of seedlings planted	4,624	4,057	1,586	5,643	1,018	-	6,643	11,285
No. of seedlings/ trees re-planted	3,314	2,211	277	2,488	0	-	2,488	5,802
No. of surviving trees	4,480	3,942	1,586	5,528	1,018	-	6,661	11,026
Survival rate	94.01%	94.64%	98.51%	95.53%	100%	-	97.28%	95.09%

Note: For old plantation: Consider four(4)-year old growth and above, For recent, consider one (1)-year to three (3)-year old growth and for latest plantation, consider those from the period of July to December, 2021.

2. No. of Persons Involved

- a. No. of Forester : One (1)
- b. Pollution Control Officer : One (1)
- c. No. of deputized forest guards (or DENROs) : One (1)
- d. No. of Rehabilitation/Reforestation Helper : Two (2) Males
- e. Quarry Operation for the Land Preparation

3. Vigorousness : / / Highly Vigorous / √ / Vigorous

4. Maintenance and Protection

	Yes	No	Coverage (ha)
Control of forest fires by establishment of fireline/firebreaks	√		5.21
Brushing/weeding/mulching/pruning	√		0.42
Fertilizer/lime/pesticide/chemical application	√		Nursery operation
Water spraying (Drip Irrigation)	√		1.5
Control of forest pest and diseases		√	No indication of pest/disease
Patrol work	√		ECC Boundary
Forest law enforcement	√		84.00
Others (please specify)	√		

F. OTHER ENVIRONMENTAL FACTORS

1. Species Diversity

Tree Species	Spacing (m x m)
Putian	For initial planting (2mx2m)
Malalangka	
Banilad	

If assistance was by seedling donation, specify how many seedlings were donated.

5. Other Conservation Measures

- a. Landscaping of mine and/or plant site surroundings?

Yes / ☒ / Area 0.10 has. No ☐ _____

Maintenance of existing landscaping along the area

- b. Use of vines, grasses and agricultural crops for initial rehabilitation?

Yes / ☒ / Area 1.21 has. No ☐ _____

Specify type/kind of vines/grasses: Kadios, banana & grasses

- c. Establishment of herbal and ornamental garden:

None ☐ Area: Ornamental Garden ☐ _____

6. Wildlife and Faunal Migration:

Is there an actual sighting of wildlife/fauna in the reforestation area during validation?

For the covered period birds, bats, insect and reptiles was observed in the area.

MMT FINDINGS/OBSERVATIONS AND RECOMMENDATIONS

FINDINGS/OBSERVATIONS	RECOMMENDATIONS
Continuous production/propagation of native /indigenous forest trees seedlings and large planting materials	Prioritize the out planting of large planting materials
Production of seedlings thru clonal propagation of two (2) native species to determine protocols using root hormones	Additional native species for clonal propagation
New rehabilitated mined out areas showed good survival rate of seedlings planted	Fast tract the land preparation and/or top soil matting to facilitate rehabilitation of the remaining mined out areas Continue/Sustain the maintenance and protection of the previously rehabilitated areas such as replanting of dead seedlings / mortality and application of fertilizer to enhance growth and survival rate
Establishment of bamboo plantation with commitment of 5 has. In Tagpisa	Establish fire lines or fire breaks to prevent occurrence of fire considering the area is cogonal which is prone /susceptible to fire Install signage indicating the required information/data for monitoring purposes
Designation of DENRO by the Company	Attend the Orientation/Training for deputation of DENRO's scheduled this 2 nd quarter 2022. Deputation Order will be issued by the DENR-Regional Executive Director

PHOTO DOCUMENTATION



MMT REHAB – NGP GROUP



Newly Rehabilitated area



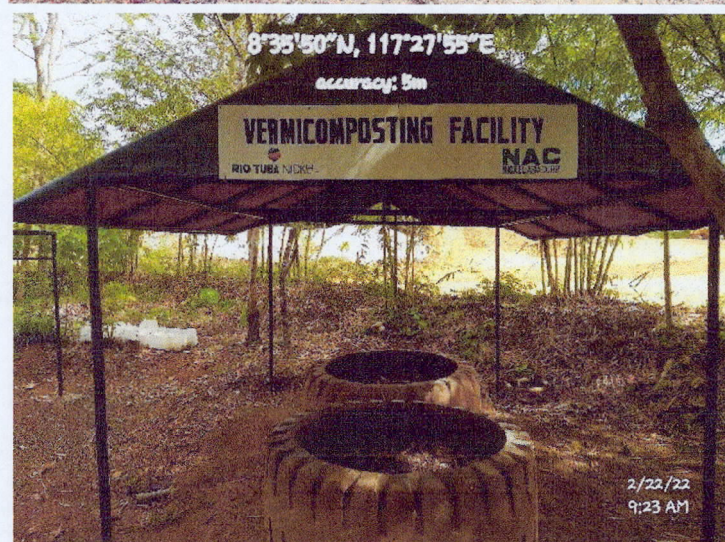
NURSERY OPERATION



Large planting material



Native seedlings at Gotok Nursery



Vermicomposting facility



CLONAL OPERATION

Clonal Seedling Propagation

Two groups were observed, each with 104 cuttings, using two different root hormone and cutting preparation procedure. **After three months, were transplanted. It was observed that root hormone used in Group A yielded favorable results.**

Group	Group A	Group B
Initial Cuttings	104	104
Transplanted Cuttings	86	42
Survival Rate	82.70%	40.38%

Group A Vitamin Hormone Concentrate



Group B Double Acting Growth Vitamin Hormone



Initial Planting (October 09)

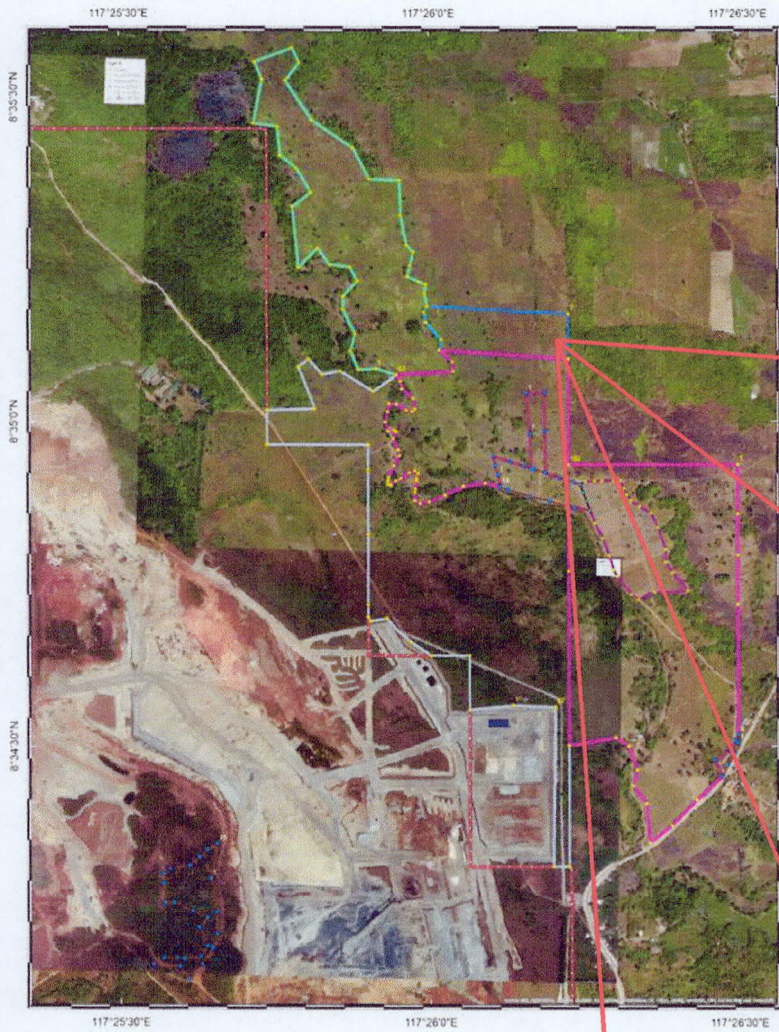


Progress as of December 31



Transplanted: January 09

BAMBOO PLANTATION PROJECT





Republic of the Philippines
Department of Environment and Natural Resources
MINES AND GEOSCIENCES BUREAU
MIMAROPA Region

7/F DENR Building, 1515 Roxas Boulevard, Ermita, Manila
Telefax No. (+632) 536-0215 / (+632) 310-1369
Email: region4b@mgb.gov.ph



MMT MONITORING REPORT

Name of Company: **Rio Tuba Nickel Mining Corp. (RTNMC)**
Name of Project: **Gotok Limestone Quarry Project**
Location: **Brigs. Rio Tuba, Iwahig, and Sandoval, Bataraza, Palawan**
Date of Monitoring: **November 15 – 20, 2021** Control No. **3Q21 RTNMC -Limestone**
Monitored by: **Multi-Partite Monitoring Team (MMT)**



JOEL V. BALQUIEDRA
MGB MIMAROPA

MERLINDA Y. HILARIO
PCSDS

CONRADO M. CORPUZ
CENRO – Brooke's Point

KATE GABRIELLE L. CASTILLO
MGB MIMAROPA

PERITA I. QUILING
PCSDS

SAMUEL B. CALIGDONG
BFAR

INOCENCIO C. MAGALLANES
NGO – Haribon Palawan

ATTY. NOEL E. AQUINO
PG ENRO

HON. CONCHITA BATILLER
LGU – Brgy. Sandoval

MA. CHRISTINE ELOISA Q. BLANCO
MEPEO RTNMC

ROGER M. MONTAÑO
AVPP

ANGELICA JOY PATIO
IP/ICC

HAVIER A. MATTRASAL
LGU – Brgy. Iwahig

HON. SIMMY V. DIDIK
LGU – Rio Tuba

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IN SUSTAINING WEALTH CREATION AND IMPROVED QUALITY OF LIFE."



Republic of the Philippines
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MINES AND GEOSCIENCES BUREAU
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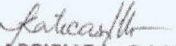



MMT MONITORING REPORT


Name of Company: **Rio Tuba Nickel Mining Corp. (RTNMC)**
Name of Project: **Gotok Limestone Quarry Project**
Location: **Brags, Rio Tuba, Iwahig, and Sandoval, Bataraza, Palawan**
Date of Monitoring: **February 21 – 26, 2022** Control No. **4Q21 RTNMC -Limestone**
Monitored by: **Multi-Partite Monitoring Team (MMT)**

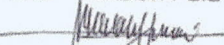


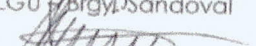

JOEL V. BALQUIEDRA
MGB MIMAROPA



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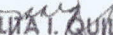

SHAKYRA KHEL I. BELMONTE
MGB MIMAROPA



INOCENCIO C. MAGALLANES
NGO – Haribon Palawan



HON. HAVIER A. MATRASAL
LGU – Brgy. Sandoval

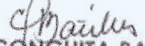

MA. CHRISTINNE ELOISA Q. BLANCO
PCO

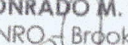

ANA MARIA G. ACOSTA
PCSDS



PERLINA I. QUILING
PCSDS



SAMUEL B. CALIGDONG
BFAR



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LGU – Brgy. Sandoval

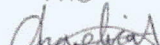

CONRADO M. CORPUZ
CENRO – Brooke's Point


ATTY. NOELLE AQUINO
PG ENRO


HON. SIMMY V. DIDIK
LGU – Brgy. Rio Tuba


REYNALDO C. RIVERA
MENRO Bataraza


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PHO


ANGELICA JOY PATIO
P/ICC

"MINING SHALL BE PRO-PEOPLE AND PRO-ENVIRONMENT
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RTNMC Limestone Quarrying 3rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B
MMT COMPLIANCE MONITORING AND VALIDATION REPORT (CMVR) FORM
FOR MINING INDUSTRIES

Limestone Quarrying Project
Rio Tuba Nickel Mining Corporation
Barangays Iwahig, Sandoval, & Rio Tuba, Bataraza, Palawan

Date of Compliance Monitoring and Validation: **November 15 – 20, 2021**

Monitoring Period Covered: **July – September 2021** Quarter/Semester Year: **3rd Quarter 2021**

B.2. Compliance to Impact Management Commitments in EIA Report & EPEP

(Directions: The MMT shall check compliance of the Proponent to the commitments in the EMP.)

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations
	Planned	Field Findings and Observations	Yes	No	
Mining Operation	1. LAND RESOURCES				
	1.1 Revegetation of Mined-out Areas	RTNMC was able to revegetate 1 hectare (25% of the target) but was not able to plant any seedlings within the area. It was reported that PHP2,050,230.00 (48.49% of the budget) was spent.		X	Adhere to the planned schedule of activities.
	To revegetate 4 hectares and to plant 9,200 seedlings (annual target) with a budget of PHP4,228,000.00				
	1.2 Maintenance/Enhancement of rehabilitated areas within MPSA	RTNMC was able to maintain/enhance 3.91 hectares (100% of the target) of rehabilitated areas within MPSA with a cost of PHP20,200.00 (7.16% of budget).	✓		Continue the maintenance/enhancement of rehabilitated areas within MPSA.
	To maintain/enhance 3.91 hectares (annual target) of rehabilitated areas within MPSA with a budget of PHP282,000.00				
	1.3 Reforestation-of areas outside MPSA (New Plantation - NGP/Bufferzone)	RTNMC was able to reforest 1 area outside of MPSA (100% of the target) with a cost of PHP1,755,930.00 (62.18% of the budget).	✓		Continue this reforestation project.
	To reforest 1 area (annual target) outside of the MPSA with a budget of PHP2,824,000.00				
	1.4 Nursery Operation: In-house seedling production	RTNMC was able to produce 95 seedlings (1.90% of the target) with a cost of PHP58,540.00 (29.42% of the budget)		X	Adhere to the planned schedule of activities.
	To produce 5,000 seedlings (annual target) with a budget of PHP199,000.00				
	2. WATER RESOURCE AND QUALITY				
2.1 Maintenance of Siltation Ponds/Silt Collector Sumps	RTNMC was able to maintain 3 siltation ponds/silt collector sumps (100% of the target) with a cost of PHP4,306,020.00 (72.66%	✓		Continue the maintenance of siltation ponds and silt collector sumps.	
To maintain 3 siltation ponds/silt collector sumps (annually) with a budget of PHP5,926,000.00					

RTNMC Limestone Quarrying 3rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

RTNMC Limestone Quarrying 3 rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B						
Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations	
	Planned	Field Findings and Observations	Yes	No		
		of the budget).				
	2.2 Solid Waste Management	RTNMC was able to conduct 9 inspections with a cost of PHP14,130.00 (24.36% of the budget).	✓		Continue the proper solid wastes management.	
	To conduct 12 inspections (annual target) with a budget of PHP58,000.00					
	2.3 Hazardous Waste Management	RTNMC was able to conduct 1 hauling activity (100% of the target) with a cost of PHP1,340.00 (1.49% of the budget).	✓		Continue the proper hazardous wastes management.	
	To conduct 1 hauling activity of hazardous waste products with a budget of PHP90,000.00					
	2.4 Water Quality Monitoring	RTNMC was able to conduct 9 water quality monitoring (75% of the target) with a cost of only PHP5,840.00 (1.39% of the budget).	✓		Continue the water quality monitoring.	
	To conduct 12 water quality monitoring (annual target) with a budget of PHP420,000.00					
	3. NOISE AND VIBRATION					
	3.1 Noise and Vibration Level Monitoring	RTNMC was able to conduct 9 monitorings (75% of the target) with a cost of PHP111,870.00 (61.81% of the budget).	✓		Continue to conduct noise and vibration level monitoring.	
	To conduct 12 noise and vibration monitoring (annual target) with a budget of PHP181,000.00					
	4. AIR QUALITY					
	4.1 Dust Control-Road Watering	RTNMC was able to conduct 0.15 km of dust control road watering (100% of the target) with a cost of PHP119,320.00 (9.25% of the budget).	✓		Continue the road watering as a dust control measure.	
	To conduct 0.15 km of road watering (annual target) with a budget of PHP1,290,000.00					
	4.2 Dust Control-Envi	RTNMC was able to maintain 3 water carts (100% of the target) with a cost of PHP396,780.00 (55.11% of the budget).	✓		Continue to conduct environmental control projects.	
	To maintain 3 water carts (annual target) with a budget of PHP720,000.00					
	4.3 Dust Control-Street Sweeping	RTNMC was able to conduct 0.25 km of street sweeping (100% of the target) with a cost of PHP133,030.00 (10.31% of the budget).	✓		Continue the street sweeping activity as a dust control measure	
	To conduct 0.25 km of street sweeping (annual target) with a budget of PHP1,290,000.00					
4.4 Air Quality Monitoring	RTNMC was able to conduct 9 air quality monitoring (75% of the target) with a cost of PHP94,140.00 (61.13% of the budget).	✓		Continue the regular air quality monitoring.		
To conduct 12 air quality monitoring (annual target) with a budget of PHP154,000.00						
5. CONSERVATION VALUES						
5.1 Environmental Awareness	RTNMC was able to	✓		Conduct the remaining		

RTNMC Limestone Quarrying 3rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

Project Impacts	Mitigating Measures / Control Strategies		Effective		Recommendations
	Planned	Field Findings and Observations	Yes	No	
	To conduct 4 environmental awareness with a budget of PHP80,000.00	conduct 3 environmental awareness (75% of the target) with a cost of PHP41,650.00 (52.06% of the budget)			environmental awareness.
	5.2 Biodiversity Conservation				
	To conduct 1 biodiversity conservation project with a budget of PHP156,000.00	RTNMC was able to conduct 1 biodiversity conservation project (100% of the target) with a cost of PHP8,050.00 (5.16% of the budget)	✓		Continue the conduct of biodiversity conservation project.
6. ENVIRONMENTAL RESEARCH					
	6.1 Various Studies				
	To conduct 1 study with a budget of PHP540,000.00	No accomplishment and expenditure.		X	Adhere to the planned study for the year
7. OTHERS (E.G. TRAINING/WORKSHOPS/ CONFERENCES/LINKAGES/ MMT/MRFC ETC.)					
	7.1 MMT Validation & Inspection; MRFC Meetings				
	To conduct 4 MMT and 4 MRFC activities (annual target) with a budget of PHP600,000.00	6 MMT and MRFC activity (75% of the target) were conducted with a cost of PHP137,400.00 (22.90% of the budget).	✓		Conduct the remaining MMT and MRFC activities for CY 2021
	7.2 Other Inspection Audits; Training and Linkages				
	To conduct 4 inspection audits, training, and linkages with a budget of PHP606,000.00	5 inspections audits/training and linkages (125% of the target) was conducted for PHP443,260.00 (73.15% of the budget).	✓		Conduct the remaining Inspection Audits; Training and Linkages
8. OTHER FINDINGS, OBSERVATIONS, AND RECOMMENDATIONS					
<ol style="list-style-type: none"> Relative to the previous findings and recommendations of the 1st and 2nd Quarter 2021 MMT Monitoring, Rio Tuba Nickel Mining Corporation (RTNMC) strived to adhere to the planned schedule of activities in the limestone project during the 3rd Quarter 2021. Delays in the implementation of planned activities were due to the lockdowns imposed as a result of the surge in COVID-19 positive cases. In 3rd Quarter 2021, land preparation was conducted for the revegetation of Bench 25 situated in the limestone quarry. During the field monitoring of the team, it was noted that RTNMC was able to revegetate an area of 1 hectare in Bench 25 and the species planted are as follows: Amugis, Tan-ag, Alim, Banilad, Baker, Talisay Gubat, Malalangka, Putian, Mali-Mali, Baro, Kalobkob, and Dita Dita. According to RTNMC, said accomplishment will then be accounted in the 4th Quarter 2021. It was noted that drainage and siltation control facilities are in good condition. Maintenance and regular monitoring of said facilities should be continued by the company. The company should adhere to the planned schedule to implement the remaining activities for C.Y. 2021 and should continue the maintenance and enhancement activities. 					

SUMMARY OF AEPEP 2021 PHYSICAL ACCOMPLISHMENTS AS OF SEPTEMBER 30, 2021

AEPEP Components			Physical Accomplishment				
	Unit of Measure	Annual Target	Quarterly Accomplishment			Annual Accomplishment	% Annual Accomplishment
			1Q2021	2Q2021	3Q2021		
1.	Land Resource						39.4%
	1.1 Revegetation of Mined-out Areas	hectares	4	-	-	1	25%
	1.2 Maintenance/Enhancement of rehabilitated areas within MPSA	no. of seedlings	9,200	-	-	-	0%
	1.3 Reforestation-of areas outside MPSA & Maintenance	hectares	3.91	1.49	-	0	43%
	1.4 Nursery Operation: In-house seedling production	project	1	1	1	1	100%
		seedlings	5,000	12	-	83	2%
2.	Water Resource and Quality						%
	2.1 Maintenance of Siltation Ponds/Silt Collector Sumps	no. of ponds & scs	3	3	3	3	100%
	2.2 Solid Waste Management	no. of inspections conducted	12	0.17	0.25	3	75%
	2.3 Hazardous Waste Management	no. of hauling per year	1	1	-	-	100%
	2.4 Water Quality Monitoring	no. of times	12	3	3	3	75%
3.	Noise and Vibration						75%
	3.1 Noise and Vibration Level Monitoring	no. of times	12	3	3	3	75%
4.	Air Quality						%
	4.1 Dust Control-Road Watering Quarry	kilometer	0.15	0.15	0.15	0.15	100%
	4.2 Dust Control-Envi	no. of water carts maintained	3	3	3	3	100%
	4.3 Dust Control-Street Sweeping	kilometer	0.25	0.25	0.25	0.25	100%
	4.4 Air Quality Monitoring	no. of times	12	3	3	3	75%
5.	Conservation Values						%

RINMC Limestone Quarrying 3rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

	5.1 Environmental Awareness	no. of times	4	1	1	1	3	75%
	5.2 Biodiversity Conservation	no. of projects	1	-	1		1	100%
6.	Environmental Research							0%
	6.1 Various Studies	no. of projects	1	-	-	-	0	0%
7.	Others							%
	7.1 MMT Validation & Inspection; MRFC Meetings	no. of times	8	2	2	2	6	25%
	7.2 Other Inspection Audits; Training and Linkages	no. of times	4	2	2	1	5	125%
	TOTAL							71%

SUMMARY OF AEPEP 2021 FINANCIAL EXPENDITURES AS OF SEPTEMBER 30, 2021

AEPEP Components	Financial Accomplishment					% Annual Budget Expenditure
	Annual Budget, PHP'000	Quarterly Expenditure, PHP '000			Annual Expenditure, PHP '000	
		1Q2021	2Q2021	3Q2021		
1. Land Resource	7,533.00					%
1.1 Revegetation of Mined-out Areas	4,228.00	45	38	1,968	2,050.23	48%
1.2 Maintenance/Enhancement of rehabilitated areas within MPSA	282.00	18	3	-	20.20	7%
1.3 Reforestation-of areas outside MPSA & Maintenance	2,824.00	620	606	530	1,755.93	62%
1.4 Nursery Operation: In-house seedling production	199.00	11	45	2	58.54	29%
2. Water Resource and Quality	6,494.00					%
2.1 Maintenance of Siltation Ponds/Silt Collector Sumps	5,926.00	1,162	1,215	1,929	4,306.02	73%
2.2 Solid Waste Management	58.00	14	1	-	14.13	24%
2.3 Hazardous Waste Management	90.00	-	-	1	1.34	1%
2.4 Water Quality Monitoring	420.00	1	2	2	5.84	1%
3. Noise and Vibration	181.00					62%
3.1 Noise and Vibration Level Monitoring	181.00	35	35	42	111.87	62%
4. Air Quality	3,454.00					%
4.1 Dust Control-Road Watering Quarry	1,290.00	40	80	-	119.32	9%
4.2 Dust Control-Envi	720.00	137	118	142	396.78	55%
4.3 Dust Control-Street Sweeping	1,290.00	46	44	44	133.03	10%
4.4 Air Quality Monitoring	154.00	1	-	93	94.14	61%
5. Conservation Values	236.00					%
5.1 Environmental Awareness	80.00	-	1	41	41.65	52%
5.2 Biodiversity Conservation	156.00	-	-	8	8.05	5%

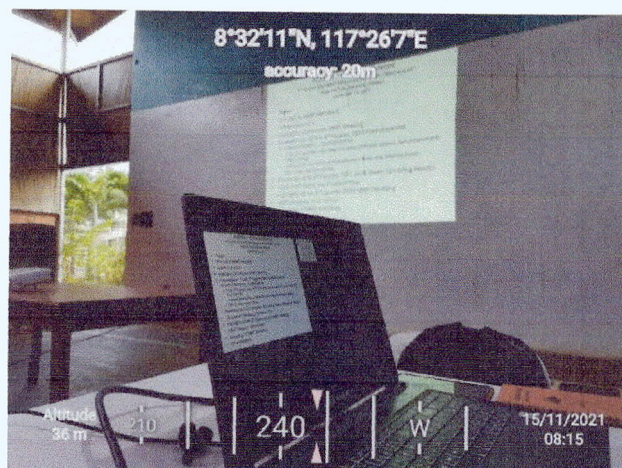
RINMC Limestone Quarrying 3rd Quarter 2021 Compliance Report to DAO 2015-02 ANNEX B

6.	Environmental Research	540.00							0%
	6.1 Various Studies	540.00	-	-	-			0.00	0%
7	Others	1,206.00							%
	7.1 MMT Validation & Inspection; MRFC Meetings	600.00	77	-	-	60		137.40	23%
	7.2 Other Inspection Audits; Training and Linkages	606.00	127	149	167			443.26	73%
	TOTAL	19,644.00	2,332	2,336	5,030			9,697.73	49%

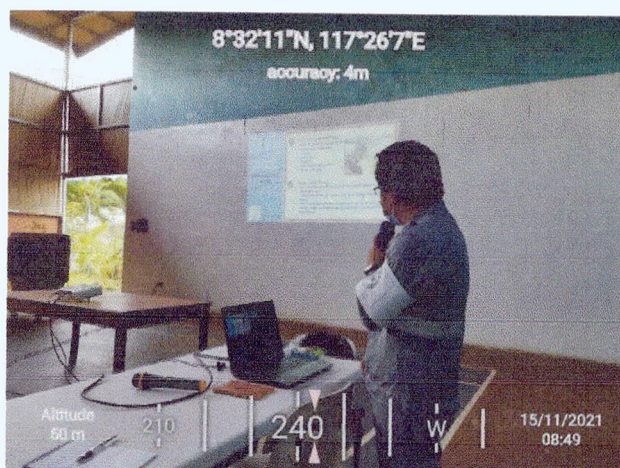
PHOTO DOCUMENTATION

MMT ENTRY MEETING

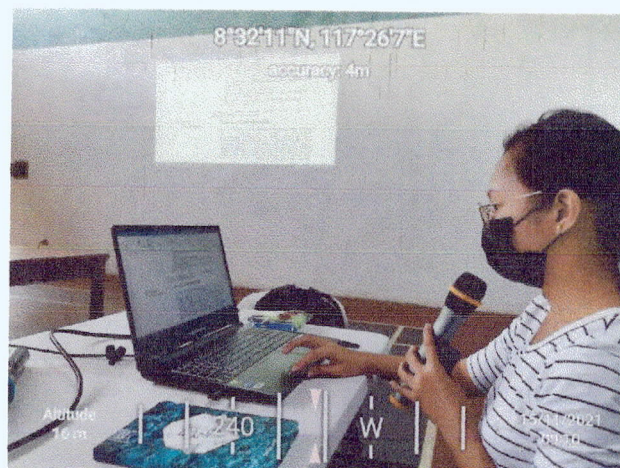
Presentation of Agenda



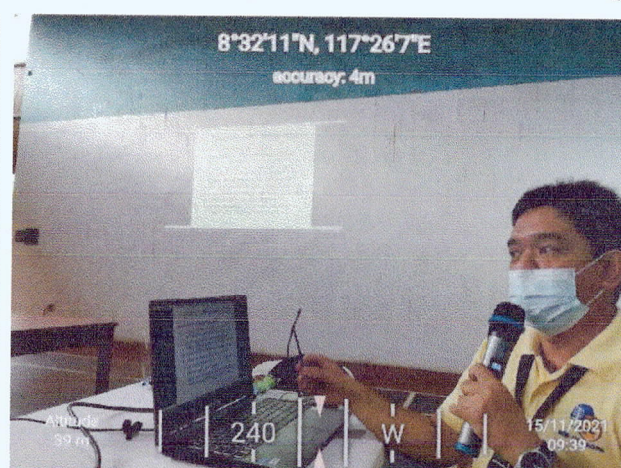
Safety Orientation



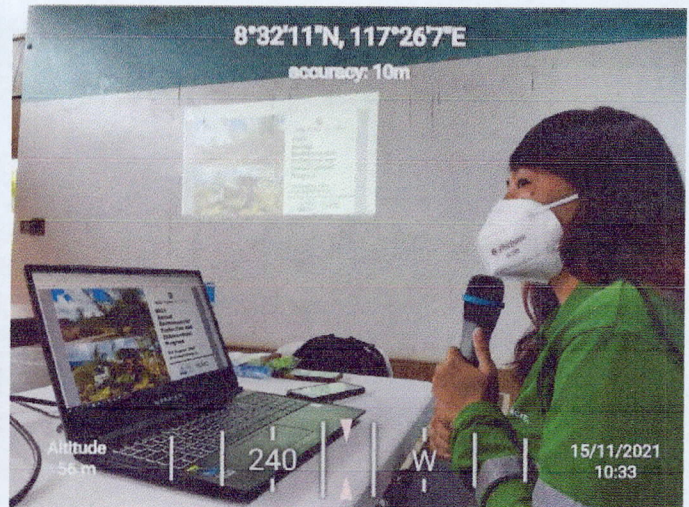
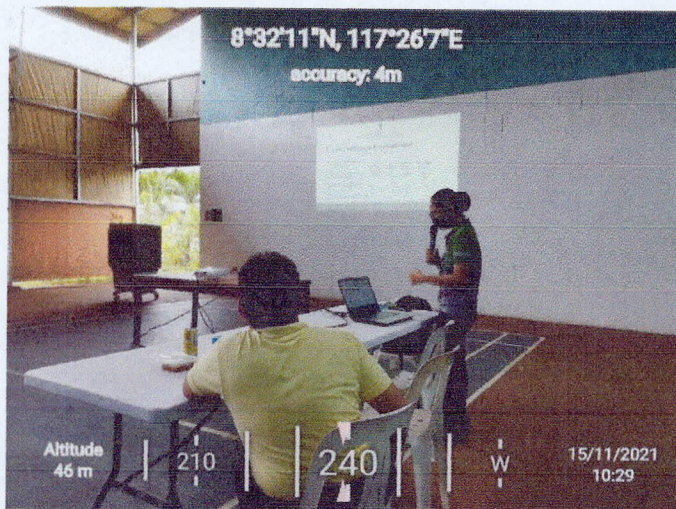
Highlights of Previous MMT Meeting



Highlights of 3rd Quarter 2021 MRFC Meeting



Presentation of 3Q2021 AEPEP Accomplishments



FIELD MONITORING

Bench 25



Bench 25 (Con't.)



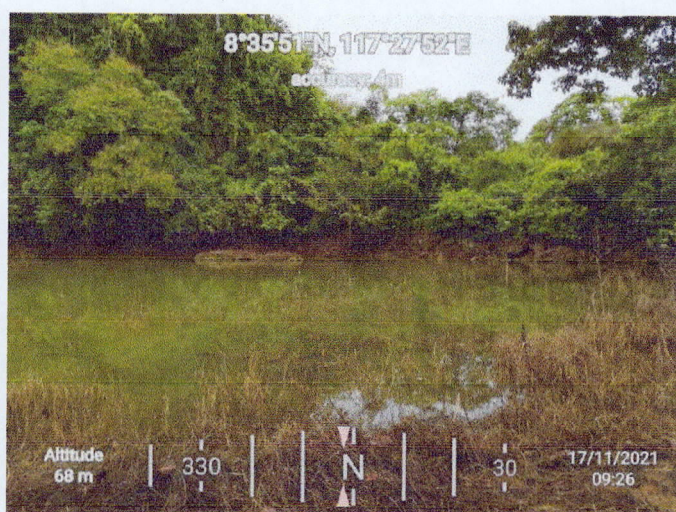
Silt Collector Sump No. 2



Silt Collector Sump No. 1



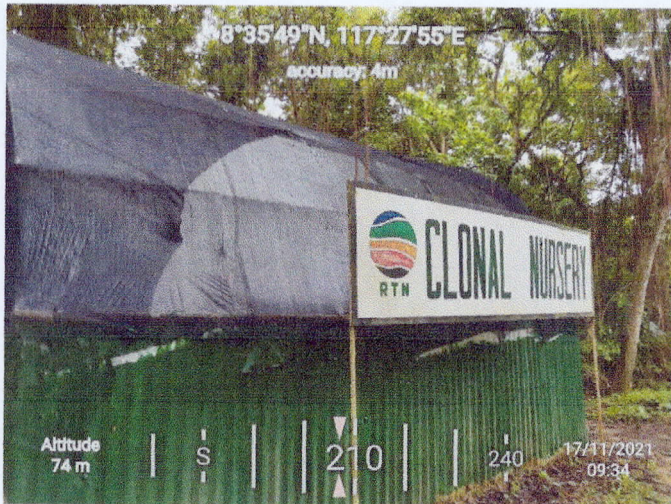
Silt Collector Sump No. 1 (Con't.)



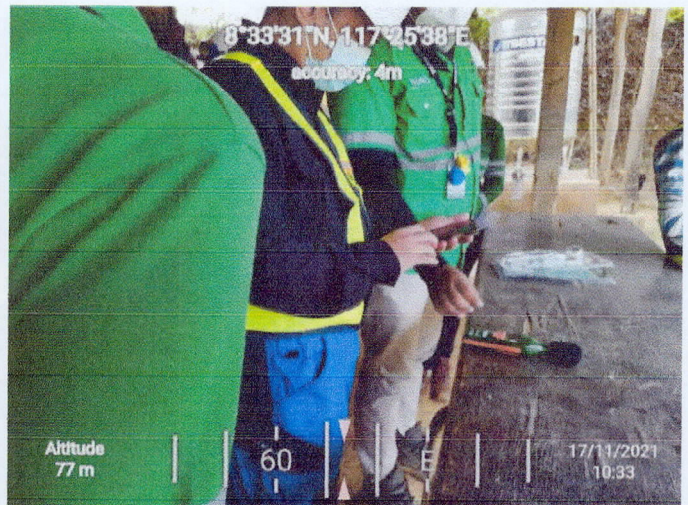
Nursery Facility



Clonal Nursery



Crushing Plant



Silt Containment Pond

