

3rd Quarter 2022 MMT Validation

Ipilan Nickel Corporation

November 23 – 24, 2022

MMT Composition

Office/Organization	Principal Representative	Alternate Representative
1. MGB – MIMAROPA Region	Hanna Lee B. Arriego	
2. EMB – MIMAROPA Region	Carl Anthony L. Madamag	
3. DENR – MIMAROPA Region		Marlou O. Soretos
4. LGU – Palawan	Willy B. Ortega	
5. PCSDS		John Martin S. Caligdong
6. Brgy. Calasaguen	Singapore S. Juratil	Jordan A. Piraza
7. Brgy. Ipilan	Melchor N. Inog, Jr.	
8. Brgy. Maasin	Domingo D. Bernas	Harris C. Tizon
9. Brgy. Mambalot	Rhodora E. Rasimo	Antonia Dela Sala
10. IP Representative	Julhadi Tite	
11. Haribon Palawan		Dario C. Cacho
12. AVPP	Jasper A. Tabangay	

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1.0 LAND RESOURCES

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
1.1 Nursery Operation: Nursery Establishment						
Hectare	1.00	-	1.00	-	0.50 (50.00%)	50.00%
	4,000,000.00	-	4,000,000.00	-	1,323,940.00 (33.10%)	33.10%
1.2 Nursery Operation: Seedling Production and Procurement						
Indigenous seedlings, pc.	1,151,590	370,000	950,000	634,462 (171.48%)	1,684,345 (177.30%)	146.26%
Bamboo, pc.	38,404	8,404	33,404	15,139 (180.14%)	20,796 (62.26%)	54.15%
	15,163,220.00	4,734,140.00	12,569,140.00	8,299,086.00 (175.30%)	20,082,316.00 (159.77%)	132.44%

Remarks/Recommendations

- Nursery to be completed by 4th quarter 2022, delay was due to unavailability of construction materials.
- Nursery at the camp site (**Photo 1**) can hold 900,000 seedlings.
- No. of bamboo culms produced was beyond the target. Amount spent for production of bamboo culms and procurement was beyond the budget because of the increase in the prices of inputs particularly growth hormones.
- For seedlings production, overall financial accomplishment was beyond the allocated budget due to additional manpower to catch-up on the backlog.



Photo 1. Nursery at the camp site



Photo 2. Nursery at old camp site

1.0 LAND RESOURCES

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
1.3 Nursery Operation: Organic Fertilizer Production						
kilogram	316,880	79,220	237,660	79,220 (100.00%)	719,153 (302.60%)	226.95%
	3,168,800.00	792,200.00	2,376,600.00	792,200.00 (100.00%)	2,145,112.94 (90.26%)	67.69%
1.4 Enrichment Planting/ANR/ Reforestation Activities : Within MPSA (MFP)						
hectare	230.00	75.00	190.00	16.25 (21.67%)	98.00 (51.50%)	42.54%
	9,200,000.00	3,000,000.00	7,600,000.00	650,000.00 (21.67%)	2,795,007.30 (36.78%)	30.38%

Remarks/Recommendations:

- Target was based on the STCEP submitted work and financial plan.
- Target area for enrichment planting/reforestation area within MPSA was not accomplished due to lack of available area for planting.
- Ensure completion of targets by end of 4th quarter 2022.



Photo 3. Vermicomposting facility of Iplan Nickel Corporation, inset compost material for harvesting.



Photo 4. Reforestation area located in old camp site.

1.0 LAND RESOURCES

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
1.5 Reforestation Activities: Outside MPSA (NGP)						
Hectare	245.00	90.00	200.00	25.00 (27.78%)	25.00 (12.50%)	10.20%
	14,087,500.00	5,175,000.00	11,500,000.00	2,000,000.00 (38.65%)	2,000,000.00 (17.39%)	14.20%
1.6 Buffer zone Management: Enrichment Planting						
Hectare	7.00	-	3.50	4.30	7.00 (200.00%)	100,00%
	280,000.00	-	140,000.00	72,000.00	114,560.00 (81.83%)	40.91%

Remarks/Recommendations:

- Target reforestation area outside the MPSA was not accomplished as the company is yet to establish an NGP site, which will be identified by CENRO Brooke's Point. Continuous coordination with the CENRO concerned is hereby recommended.

1.0 LAND RESOURCES

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
1.7 Topsoil Recovery						
Wet Metric Tons	45,000	13,800	31,200	980 (7.10%)	4,630 (14.84%)	10.29%
	2,115,000.00	648,600.00	1,466,400.00	46,046 (7.10%)	217,595.90 (14.84%)	10.29%
1.8 Establishment of Topsoil/Waste Stockyard						
Hectare	2.0	0.50	1.50	0 (0.00%)	0.16 (10.67%)	8.00%
	1,000,000.00	250,000.00	750,000.00	0 (0.00%)	80,000.00 (10.67%)	8.00%
1.9 Stockyard Maintenance						
Hectare	19.20	6.40	12.80	6.4 (100.00%)	12.29 (96.02%)	64.01%
	8,640,000.00	2,880,000.00	5,760,000.00	2,880,000.00 (100.00%)	5,530,500.00 (96.02%)	64.01%

Remarks/Recommendations:

- Topsoil recovered was temporarily staged beside the active mine site (**Photo 5**).
- Low topsoil recovery since the average topsoil depth was around 30 cm.
- Waste stockyard was not established as the STCEP for the proposed area has not been approved.
- Ensure completion of targets by end of 4th quarter 2022.



Photo 5. Topsoil temporarily stored at Block 38



Photo 6. Stockyard maintenance observed during MMT.

OVERVIEW OF PHYSICAL AND FINANCIAL ACCOMPLISHMENT UNDER LAND RESOURCES

Particular	Unit of Work Measure	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
1.1 Nursery Operation: Nursery Establishment	Hectare	1.00	-	1.00	-	0.50 (50.00%)	50.00%
		4,000,000.00	-	4,000,000.00	-	1,323,940.00 (33.10%)	33.10%
1.2 Nursery Operation: Seedling Production and Procurement	Indigenous seedlings, pc.	1,151,590	370,000	950,000	634,462 (171.48%)	1,684,345 (177.30%)	146.26%
	Bamboo, pc.	38,404	8,404	33,404	15,139 (180.14%)	20,796 (62.26%)	54.15%
		15,163,220.00	4,734,140.00	12,569,140.00	8,299,086.00 (175.30%)	20,082,316.00 (159.77%)	132.44%
1.3 Nursery Operation: Organic Fertilizer Production	kilogram	316,880	79,220	237,660	79,220 (100.00%)	719,153 (302.60%)	226.95%
		3,168,800.00	792,200.00	2,376,600.00	792,200.00 (100.00%)	2,145,112.94 (90.26%)	67.69%
1.4 Enrichment Planting/ANR/ Reforestation Activities : Within MPSA (MFP)	hectare	230.00	75.00	190.00	16.25 (21.67%)	98.00 (51.50%)	42.54%
		9,200,000.00	3,000,000.00	7,600,000.00	650,000.00 (21.67%)	2,795,007.30 (36.78%)	30.38%

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		14,087,500.00	5,175,000.00	11,500,000.00	2,000,000.00 (38.65%)	2,000,000.00 (17.39%)	14.20%
1.6 Buffer zone Management: Enrichment Planting	Hectare	7.00	-	3.50	4.30	7.00 (200.00%)	100.00%
		280,000.00	-	140,000.00	72,000.00	114,560.00 (81.83%)	40.91%
1.7 Topsoil Recovery	Wet Metric Tons	45,000	13,800	31,200	980 (7.10%)	4,630 (14.84%)	10.29%
		2,115,000.00	648,600.00	1,466,400.00	46,046 (7.10%)	217,595.90 (14.84%)	10.29%
1.8 Establishment of Topsoil/Waste Stockyard	Hectare	2.0	0.50	1.50	0 (0.00%)	0.16 (10.67%)	8.00%
		1,000,000.00	250,000.00	750,000.00	0 (0.00%)	80,000.00 (10.67%)	8.00%
1.9 Stockyard Maintenance	Hectare	19.20	6.40	12.80	6.4 (100.00%)	12.29 (96.02%)	64.01%
		8,640,000.00	2,880,000.00	5,760,000.00	2,880,000.00 (100.00%)	5,530,500.00 (96.02%)	64.01%
TOTAL		57,654,520.00	17,479,940.00	46,162,140.00	14,739,331.90 (84.32%)	34,289,032.14 (74.38%)	74.28%

2.0 WATER RESOURCES AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
2.1 Construction of Drainage Canal						
kilometer	12.12	-	12.12	-	12.59 (103.88%)	103.88%
	787,800.00	-	787,800.00	-	818,350.00 (103.88%)	103.88%
2.2 Construction of Sedimentation Pond						
Cubic meter	62,000.00	-	62,000.00	40,776.01	97,480.00 (157.23%)	157.23%
	9,300,000.00	-	9,300,000.00	6,116,401.50	14,622,000.00 (157.23%)	157.23%
2.3 Construction of Check Dams						
Cubic meter	9,984.00	-	9,984.00	-	9,984.00 (100.00%)	100.00%
	1,497,600.00	-	1,497,600.00	-	1,497,600.00 (100.00%)	100.00%

Remarks/Recommendations:

- INC constructed the water containment structures summarized in **Table 1**.
- Amount spent in construction was beyond the projected cost as the constructed sedimentation pond has a higher capacity than the designed capacity.



Photo 7. Check dams along the perimeter of the active mining area.

Table 1. Summary of constructed sediment basins

Particular	No.	Capacity
Sedimentation Pond	27	As of Q3 Cap.: 97,480 cu.m.
Check Dams	6	As of Q3 Cap.: 9,894 cu.m
Silt Trap/Silt Collector Sumps	239	As of Q3 est. cap: 3,824 cu.m

2.0 WATER RESOURCES AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
2.4 Establishment of box-culvert						
No. of box culvert	4	-	4	-	0.00 (0.00%)	0.00%
	960,000.00	-	960,000.00	-	0.00 (0.00%)	0.00%
2.5 Installation of round culvert						
No. of installed culvert	30	-	30	15	70 (233.33%)	233.33%
	2,580,000.00	-	2,580,000.00	1,336,071.45	6,136,714.34 (237.86%)	237.86%
2.6 Silt traps						
No. of silt traps	50	-	50	81	239 (478.00%)	478.00%
	750,000.00	-	750,000.00	286,740.00	848,520.00 (113.14%)	113.14%

Remarks/Recommendations:

- Box culverts were not established since based on the actual scenario, the round culverts were sufficient and proven to be effective.
- Installed round culvert and silt traps were beyond the target to cover for the areas that was supposedly to be constructed with box culvert and there are portion of the road that crosses to some intermittent irrigation canals



Photo 8. Round culvert installed along haul road.



Photo 9. Silt traps along the drainage canal

2.0 WATER RESOURCES AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
2.7 Maintenance of Sedimentation Ponds						
cu.m. of silt materials removed	31,000	-	-	-	-	-
	4,650,000.00	-	-	-	-	-
2.8 Maintenance of Check dams						
cu.m. of silt materials removed	4,992	-	-	-	-	-
	748,800.00	-	-	-	-	-
2.9 Maintenance of Drainage and stream channel						
Length of canal maintained, km	12	-	-	-	-	-
	787,800.00	-	-	-	-	-

Remarks/Recommendations:

- Maintenance activities are programmed to be implemented within the 4th quarter.

2.0 WATER RESOURCES AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
2.10 Solid Waste Management						
Volume of waste generated, kg	2,000	500	1,500	990.00 (198.00%)	5,000 (333.33%)	250.00%
Volume of waste Disposed	300	75	225	50 (66.67%)	1,000 (444.44%)	333.33%
No. of Material Recovery Facility	1	-	1	-	1 (100.00%)	100.00%
	341,300.00	10,325.00	330,975.00	22,800 (220.82%)	1,136,402.00 (343.35%)	332.96%



Photo 10. Color-coded trash bins along the camp site

Remarks/Recommendations:

- Solid wastes generated for the quarter was almost double the projected volume because the target vol. of waste was based on target vol. of waste was based on forecasted manpower for 2022 which is only at 480 personnel. However total manpower for the implementation of INC targets doubled.
- One of MMT recommendations was to provide a separate trash bin for medical wastes, Mr. Arlegui responded that the red trash bin was installed for the said purpose.

2.0 WATER RESOURCES AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
2.11 Hazardous Waste Management						
Volume of hazardous waste produced (kg)	8,000	2,000	6,000	700 (35.00%)	700 (11.67%)	8.75%
Volume of waste disposed	8,000	-	-	-	-	-
No. of Hazardous Waste Storage Facility	1	-	1	-	1 (100.00%)	100.00%
	610,000.00	10,000.00	330,000.00	3,500.00 (35.00%)	979,902.00 (296.94%)	160.64%



Photo 11. Used oil storage area at the temporary storage area for hazardous wastes

Remarks/Recommendations:

- Target volume for the hazardous waste produced was based on forecasted number of vehicles and equipment for 2022; however, since INC's mine operation started late very minimal amount of hazardous waste particularly used oils and batteries were produced.
- Improve signages installed at Hazardous Waste temporary storage area by observing the prescribed color code in Republic Act 6969.
- Drums for used oil should be elevated, install bund wall and provide spill kit.

2.0 WATER RESOURCE AND QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
2.12 Water Quality Monitoring						
Water Sampling Equipment	1	-	1	-	1 (100.00%)	0.00%
no. of sampling	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
no. of sampling stations	29	29	29	29 (100.00%)	29	-
no. of parameters analyzed	10	10	10	10 (100.00%)	10	-
	1,299,200.00	179,800.00	1,119,400.00	223,280.00 (124.18%)	1,087,080.00 (97.11%)	83.67%

Remarks/Recommendations:

- Based on the SMRs, water quality monitoring results were within DENR standards.



Manila, 15 July 2022
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PHL22-05489

RESULTS OF ANALYSIS

CLIENT : IPILAN NICKEL CORPORATION
ADDRESS : PENTHOUSE PLATINUM TOWER ASEANA AVENUE COR FUENTES STREET ASEANA TAMBO PARAÑAQUE
DATE RECEIVED : 02-July-2022
DATE REPORTED : 15-July-2022

Analysis based on sample(s) submitted by IPILAN NICKEL CORPORATION, SGS Philippines, Inc. does not guarantee that sample(s) submitted is (are) representative of the whole bulk from where it/they was (were) taken.

Lab # : PHL22-05489.001
Sample Name : FS W1: FILANTROPIA RIVER NEAR WATER INTAKE AREA / DATE AND TIME OF SAMPLING: JUNE 20, 2022 @ 11:03 AM

Analysis Name	Result	Methodology
Total Arsenic (As)	<0.001 mg/L	3114B
Total Cadmium (Cd)	<0.0004 mg/L	3120B
Total Manganese (Mn)	<0.01 mg/L	3120B
Total Nickel (Ni)	<0.01 mg/L	3120B
Total Lead (Pb)	<0.005 mg/L	3120B
Chromium Hexavalent (Cr(VI))	<0.001 mg/L	3500-Cr B

Lab # : PHL22-05489.002
Sample Name : FS W2: FILANTROPIA RIVER NEAR COR. 38 / DATE AND TIME OF SAMPLING: JUNE 20, 2022 @ 11:55 AM

Analysis Name	Result	Methodology
Total Arsenic (As)	<0.001 mg/L	3114B
Total Cadmium (Cd)	<0.0004 mg/L	3120B
Total Manganese (Mn)	<0.01 mg/L	3120B
Total Nickel (Ni)	<0.01 mg/L	3120B
Total Lead (Pb)	<0.005 mg/L	3120B
Chromium Hexavalent (Cr(VI))	<0.001 mg/L	3500-Cr B

Lab # : PHL22-05489.003
Sample Name : FS W3: FILANTROPIA RIVER AFTER MAASIN DAM / DATE AND TIME OF SAMPLING: JUNE 20, 2022 @ 12:09 PM

Analysis Name	Result	Methodology
Total Arsenic (As)	<0.001 mg/L	3114B
Total Cadmium (Cd)	<0.0004 mg/L	3120B
Total Manganese (Mn)	<0.01 mg/L	3120B
Total Nickel (Ni)	<0.01 mg/L	3120B
Total Lead (Pb)	<0.005 mg/L	3120B

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Photo 12. Sample of Certificate of Analysis

OVERVIEW OF PHYSICAL AND FINANCIAL ACCOMPLISHMENT UNDER WATER RESOURCES AND QUALITY

Particular	Unit of Work Measure	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
2.1 Construction of Drainage Canal	kilometer	12.12	-	12.12	-	12.59 (103.88%)	103.88%
		787,800.00	-	787,800.00	-	818,350.00 (103.88%)	103.88%
2.2 Construction of Sedimentation Pond	Cubic meter	62,000.00	-	62,000.00	40,776.01	97,480.00 (157.23%)	157.23%
		9,300,000.00	-	9,300,000.00	6,116,401.50	14,622,000.00 (157.23%)	157.23%
2.3 Construction of Check Dams	Cubic meter	9,984.00	-	9,984.00	-	9,984.00 (100.00%)	100.00%
		1,497,600.00	-	1,497,600.00	-	1,497,600.00 (100.00%)	100.00%
2.4 Establishment of box-culvert	No. of box culvert	4	-	4	-	0.00 (0.00%)	0.00%
		960,000.00	-	960,000.00	-	0.00 (0.00%)	0.00%
2.5 Installation of round culvert	No. of installed culvert	30	-	30	15	70 (233.33%)	233.33%
		2,580,000.00	-	2,580,000.00	1,336,071.45	6,136,714.34 (237.86%)	237.86%

Particular	Unit of Work Measure	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
2.6 Silt traps	No. of silt traps	50	-	50	81	239 (478.00%)	478.00%
		750,000.00	-	750,000.00	286,740.00	848,520.00 (113.14%)	113.14%
2.7 Maintenance of Sedimentation Ponds	cu.m. of silt materials removed	31,000	-	-	-	-	-
		4,650,000.00	-	-	-	-	-
2.8 Maintenance of Check dams	cu.m. of silt materials removed	4,992	-	-	-	-	-
		748,800.00	-	-	-	-	-
2.9 Maintenance of Drainage and stream channel	Length of canal maintained, km	12	-	-	-	-	-
		787,800.00	-	-	-	-	-
2.10 Solid Waste Management	Volume of waste generated, kg	2,000	500	1,500	99 (198.00%)	5,000 (333.33%)	250.00%
	Volume of waste Disposed	300	75	225	50 (66.67%)	1,000 (444.44%)	333.33%
	No. of Material Recovery Facility	1	-	1	-	1 (100.00%)	100.00%
		341,300.00	10,325.00	330,975.00	22,800 (220.82%)	1,136,402.00 (343.35%)	332.96%

Particular	Unit of Work Measure	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
2.11 Hazardous Waste Management	Volume of hazardous waste produced (kg)	8,000	2,000	6,000	700 (35.00%)	700 (11.67%)	8.75%
	Volume of waste disposed	8,000	-	-	-	-	-
	No. of Hazardous Waste Storage Facility	1	-	1	-	1 (100.00%)	100.00%
		610,000.00	10,000.00	330,000.00	3,500.00 (35.00%)	979,902.00 (296.94%)	160.64%
2.12 Water Quality Monitoring	Water Sampling Equipment	1	-	1	-	1 (100.00%)	0.00%
	no. of sampling	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
	no.of sampling stations	29	29	29	29 (100.00%)	29	-
	no. of parameters analyzed	10	10	10	10 (100.00%)	10	-
		1,299,200.00	179,800.00	1,119,400.00	223,280.00 (124.18%)	1,087,080.00 (97.11%)	83.67%
TOTAL		24,312,500.00	200,125.00	17,655,775.00	7,988,792.95 (3991.90%)	27,126,568.34 (153.64%)	153.64%

3.0 AIR QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
3.1 Dust Control-Road Watering						
Purchase of water lorries (no.)	3	-	3	-	3 (100.00%)	100.00%
Days of Operation (no.)	160	30	145	49 (163.33%)	134 (92.41%)	83.75%
Distance Covered (km)	12	12	12	12 (100.00%)	12	-
	18,527,040.00	436,320.00	18,308,880.00	712,656.00 (163.33%)	18,148,896.00 (99.13%)	97.96%

Remarks/Recommendations:

- Water sprinkling of roads was noted (Photo 13).

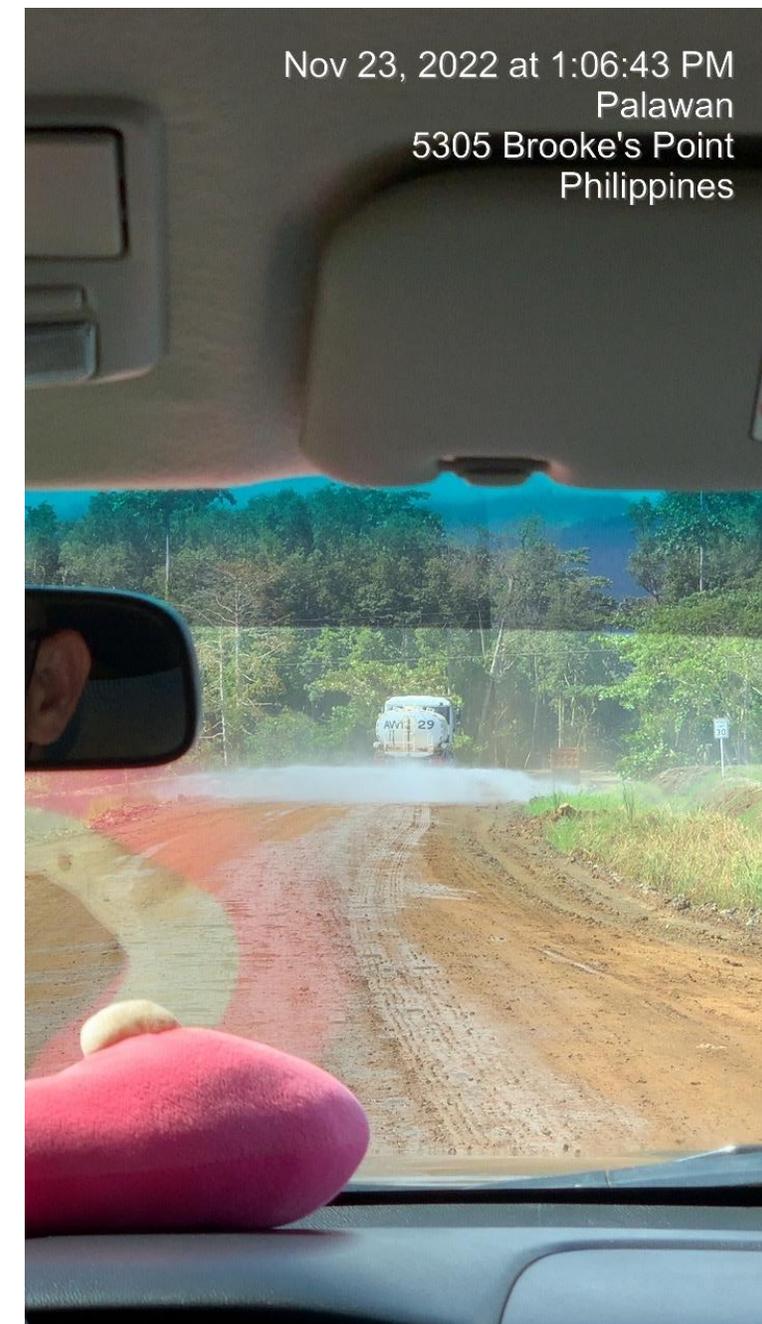


Photo 13. Water sprinkling along haul roads

3.0 AIR QUALITY

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
3.2 Air Quality Monitoring						
No. of air monitoring equipment	1	-	1	-	1 (100.00%)	100.00%
No. of sampling	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
No. of sampling stations	7	7	7	7 (100.00%)	7	-
No. of parameters analyzed	1	1	1	1 (100.00%)	1	-
	966,636.00	1,659	964,977.00	1,659.99 (100.00%)	964,977.00 (100.00%)	99.83%

Remarks/Recommendations:

- Results of air quality monitoring from 1st to 3rd quarter 2022 were within DENR standards.

OVERVIEW OF PHYSICAL AND FINANCIAL ACCOMPLISHMENT UNDER WATER RESOURCES AND QUALITY

Particular	Unit of Work Measure	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
3.1 Dust Control-Road Watering	Purchase of water lorries (no.)	3	-	3	-	3 (100.00%)	100.00%
	Days of Operation (no.)	160	30	145	49 (163.33%)	134 (92.41%)	83.75%
	Distance Covered (km)	12	12	12	12 (100.00%)	12	-
		18,527,040.00	436,320.00	18,308,880.00	712,656.00 (163.33%)	18,148,896.00 (99.13%)	97.96%
3.2 Air Quality Monitoring	No. of air monitoring equipment	1	-	1	-	1 (100.00%)	100.00%
	No. of sampling	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
	No. of sampling stations	7	7	7	7 (100.00%)	7	-
	No. of parameters analyzed	1	1	1	1 (100.00%)	1	-
		966,636.00	1,659	964,977.00	1,659.99 (100.00%)	964,977.00 (100.00%)	99.83%
TOTAL		19,493,676.00	437,979.00	19,273,857.00	714,315.00 (163.09%)	19,113,873.00 (99.17%)	98.05%

4.0 NOISE AND VIBRATION

Particular	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
	Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
4.1 Noise and Vibration Level Monitoring						
Noise Monitoring Equipment	1	-	1	-	1 (100.00%)	100.00%
no. of monitoring	4	1	3	1 (100.00%)	3 (100.00%)	75.00%
no. of sampling stations	7	7	7	7 (100.00%)	7	-
	56,636	1,659	54,977.00	1,659.00 (100.00%)	54,977.00 (100.00%)	97.07%

Remarks/Recommendations:

- Results of noise level monitoring from 1st to 3rd quarter 2022 were within DENR standards.

5.0 CONSERVATION VALUES

Particular	Unit of Work Measure	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
5.1 Construction of Rainwater Harvesting System	No. of project implemented	1	-	1	-	0 (0.00%)	0 (0.00%)
		63,400.00	-	63,400.00	-	0 (0.00%)	0 (0.00%)
5.2 Landscaping	No. of project implemented	1	1	1	1 (100.00%)	1 (100.00%)	100.00%
		200,000.00	200,000.00	200,000.00	200,000.00 (100.00%)	200,000.00 (100.00%)	100.00%



Photo 14. Laborers were observed maintaining the landscape at the garden located along the mini-hydro plant

6.0 ENVIRONMENTAL RESEARCH

Particular	Unit of Work Measure	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
6.1 Environmental Research	No. of studies	1	-	1	-	0 (0.00%)	0.00%
		770,000.00	-	770,000.00	-	0 (0.00%)	0.00%

- Programmed research for the quarter was not accomplished due to delayed implementation due to bad weather condition.

7.0 OTHERS

Particular	Unit of Work Measure	Target (Physical/Financial)			Accomplishment (Physical/Financial)		
		Annual	3 rd Quarter	As of 3 rd Quarter	3 rd Quarter	As of 3 rd Quarter	%Annual
7.1 MMT Validation & Inspection; MRFC Meetings	no. of MMT Validation	4	1	3	0 (0.00%)	0 (0.00%)	0.00%
	No. of MRFC Meeting	5	1	4	0 (0.00%)	1 (25.00%)	20.00%
		652,860.00	155,090.00	497,770.00	0.00 (0.00%)	32,500.00 (6.53%)	4.98%
7.2 Trainings / Seminars	No. of trainings	1	-	1	1	1 (100.00%)	100.00%
		50,000.00	-	50,000.00	72,780.00	72,780.00 (100.00%)	145.56%
7.3 Environmental Advocacy and IEC	Environment Month Celebration	1	-	1	-	1 (100.00%)	100.00%
		30,000.00	-	30,000.00	-	35,000.00 (116.67%)	116.67%
TOTAL		732,860.00	155,090.00	577,770.00	72,780.00	140,280.00 (24.28%)	19.14%

Remarks/Recommendations:

- No. of MMT validation and MRFC meetings were not met as the MMT convened this November.

FIELD FINDINGS/ OBSERVATIONS/COMMENTS	RECOMMENDATIONS	PHOTODOCUMENTATION
<p>1. Unaccomplished activities are as follows:</p> <ul style="list-style-type: none"> • Nursery Operation: Nursery Establishment; • Enrichment Planting/ANR/ Reforestation Activities : Within MPSA (MFP); • Reforestation Activities: Outside MPSA (NGP); • Topsoil Recovery; • Establishment of Topsoil/Waste Stockyard; • Stockyard Maintenance; • Construction of box culvert; • Construction of rainwater harvesting system; and • Research study. <p>Utilized 128% of the budget allocated for the quarter (PHP18,474,793.00) out of PHP23,716,879.00). As of 3rd quarter, the company spent a total of 78% of its annual budget (PHP80,988,130.00 out of PHP103,283,592.00).</p>	<ul style="list-style-type: none"> • By end of 4th quarter 2022, ensure that 80% of the physical and financial targets are accomplished. 	

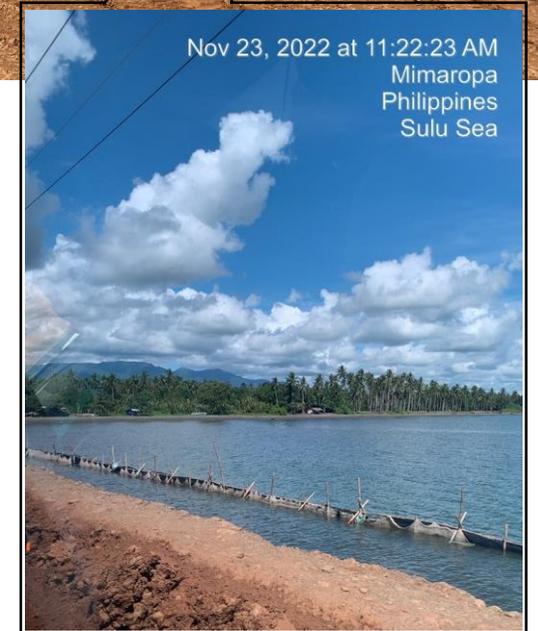
FIELD FINDINGS/ OBSERVATIONS/COMMENTS

2. Only one side of the causeway has a silt fence.

RECOMMENDATIONS

- Consider installing silt fence along both sides of the causeway.

PHOTODOCUMENTATION



FIELD FINDINGS/ OBSERVATIONS/COMMENTS	RECOMMENDATIONS	PHOTODOCUMENTATION
<p>3. Some portions of the haul road going to the causeway was observed to be muddy and unkept (i.e., overflowing water from the perimeter canal).</p>	<ul style="list-style-type: none"> • Consider elevating the road using sand and gravel; • Conduct road maintenance as necessary; and • Install tire baths at strategic location to remove excess dirt and mud that can dragged during hauling. <p><i>Continuous improvement of haul roads will be conducted.</i></p>	
<p>4. Trash bins were installed in strategic locations within the camp site. There were designated bins for different kinds of waste materials.</p>	<ul style="list-style-type: none"> • Recommended to have a separate bin for healthcare waste generated (i.e., facemask). <p><i>Red receptacle for healthcare waste.</i></p>	

**FIELD FINDINGS/
OBSERVATIONS/COMMENTS**

RECOMMENDATIONS

PHOTODOCUMENTATION

5. Fire extinguisher at the HazWaste area was placed on the floor.

- Observe proper installation of fire extinguisher.



6. Trash were observed at the causeway/loading area and camp site.

- Observe good housekeeping.

INC cleaned the area per photo provided by the company.



FIELD FINDINGS/ OBSERVATIONS/COMMENTS

RECOMMENDATIONS

PHOTODOCUMENTATION

7. Planted seedlings (probably Narra or Agoho) were noted along berms. These plants may topple when grown given that the location is a soft structure.

- Consider other species such as shrubs to be planted along these kinds of sites. Proper spacing should also be considered.

Once fully-grown, it shall serve as a noise barrier.



8. Merit as the nursery caters to numerous different seedlings.

- Install white board containing information such as species, total number per species and overall total number of seedlings.
- Ensure proper and maintenance of seedlings as some were observed to be withered.



FIELD FINDINGS/ OBSERVATIONS/COMMENTS	RECOMMENDATIONS	PHOTODOCUMENTATION
9. Dust mitigating measures such as road maintenance, water trucks and street sweepers were noted.	-	
10. No discoloration along the causeway was observed.	-	 <p>Nov 23, 2022 at 10:59:26 AM Mimaropa Philippines Sulu Sea</p>

MMT Recommendations

1. Apply discharge permits for oil waste separators, septic tanks, and siltation ponds.
2. While the light vehicles (being used by the MMT) were traversing the haul road, it was observed that some of the trucks did not stop. Conduct reorientation to remind the drivers regarding the safety protocols while driving in the mine. – **Haul trucks has the right of way.**
3. For areas that will undergo progressive rehabilitation, consider including endemic fruit trees.
4. Among the commendable environmental measures established by the company were as follows:
 - Series of silt traps established along the haul roads at the mine site;
 - Rip-rapping of berms;
 - Others: Hydroelectric plant.
5. In the future, consider establishment of a demo farm. – **Already part of the company's plan.**
6. Traffic along the main road was halted to give way for the vehicles used by MMT members. Observe right of way of the public when crossing the intersection. – **Priority is given to the public traversing along the highway. Special case since the MMT convoyed.**

Others:

1. Include in the company presentation during entry meeting all the permits issued to Ipilan Nickel Corporation such as discharge permit, ECC, STCEP, etc.
2. Provide field uniform and insurance to MMT members.

End of Presentation

Thank you!