EXECUTIVE SUMMARY

1.0 INTRODUCTION

Project Title:

"PROPOSED IRON MINING (IRON SAND) ON ML 4/2025 LOT 54 WITH AN AREA OF 31 HA, HUTAN SIMPAN SUNGAI BROK, MUKIM BLAU, DAERAH HAU, JAJAHAN KECIL LOJING, KELANTAN DARUL NAIM - SCHEDULE 2"

Project Operation:

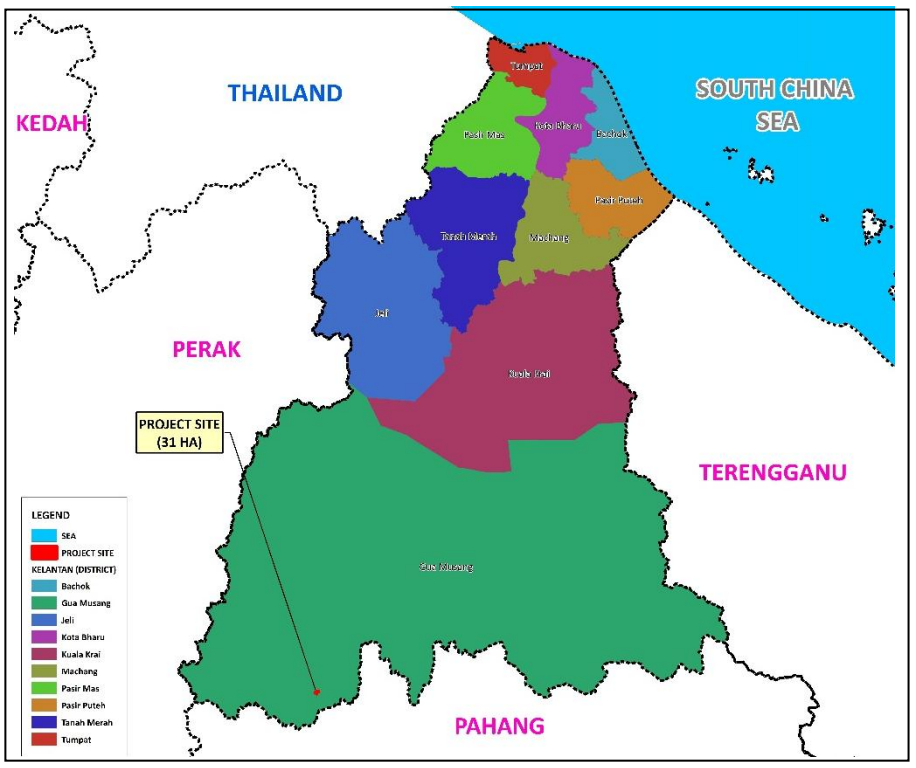
Iron Mining (Iron Sand) Project

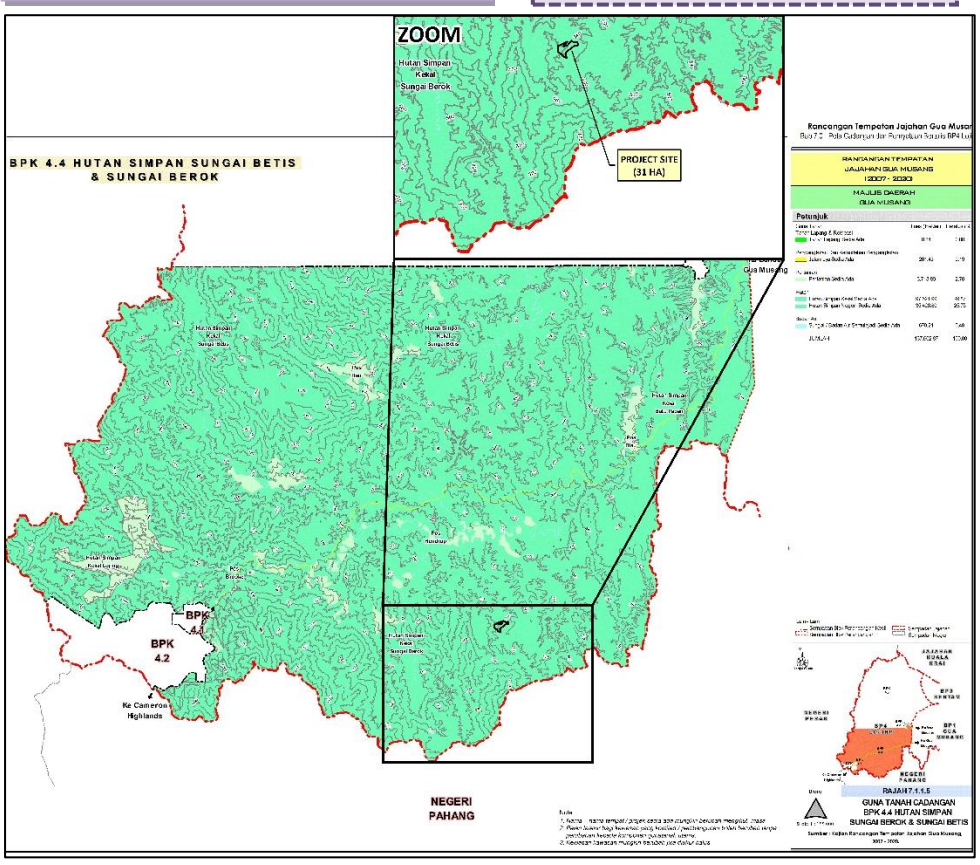
Location:

Lot 54, Hutan Simpan Sungai Brok, Mukim Blau, Daerah Hau, Jajahan Kecil Lojing, Kelantan

Project size:

31 hectares





Based on Rancangan Tempatan Jajahan Gua Musang 2020:

Located within Blok Perancangan Kecil 4.4, **HUTAN SIMPAN SUNGAI BETIS & SUNGAI BEROK**, the zoning for the proposed project area is

FORESTRY

However, mining activity is permitted by local authorities with conditions.

Referring to Pejabat Tanah dan Galian Negeri Kelantan, ML 4/2025 Lot 54 has been degazetted from being part of permanent forest reserve.

2.0 PROJECT PROPONENT & ENVIRONMENTAL CONSULTANT

LEASEHOLDER	PROJECT DEVELOPER	PROJECT PROPONENT	ENVIRONMENTAL CONSULTANT
AKADEMI YIK SDN. BHD. Kompleks Pentadbiran Yayasan Islam Kelantan, Peti Surat 248, Jalan Tunjong – Pasir Mas, Bandar Baru Tunjong, 16010 Kota Bharu, Kelantan	**MYKEL MINE SDN. BHD. (886225-H)** D187, Jalan Sekolah Arab,17500 Tanah Merah, Kelantan	**EDARAN MESRA SDN. BHD. (0220276-K)** No. 12-1, Jalan Suria Puchong 6, Pusat Perdagangan Suria Puchong, 47110 Puchong, Selangor Phone: 603-8940 4611 Fax: 603-8940 4612 Contact Person: Mr. Khairul Anuar Ali Designation: Executive Director	**NILAIMAS SERVICES (001953513-D)** No.17, Jalan Equine 10D, Taman Equine, 43300 Seri Kembangan, Selangor Contact Person: Dato' Seri Ts. Hj. Mohd Nawahidudin Bin Mahamad Isa Tel/Fax:03-89409959 / 03-89409958 E-mail: nilaimas@gmail.com

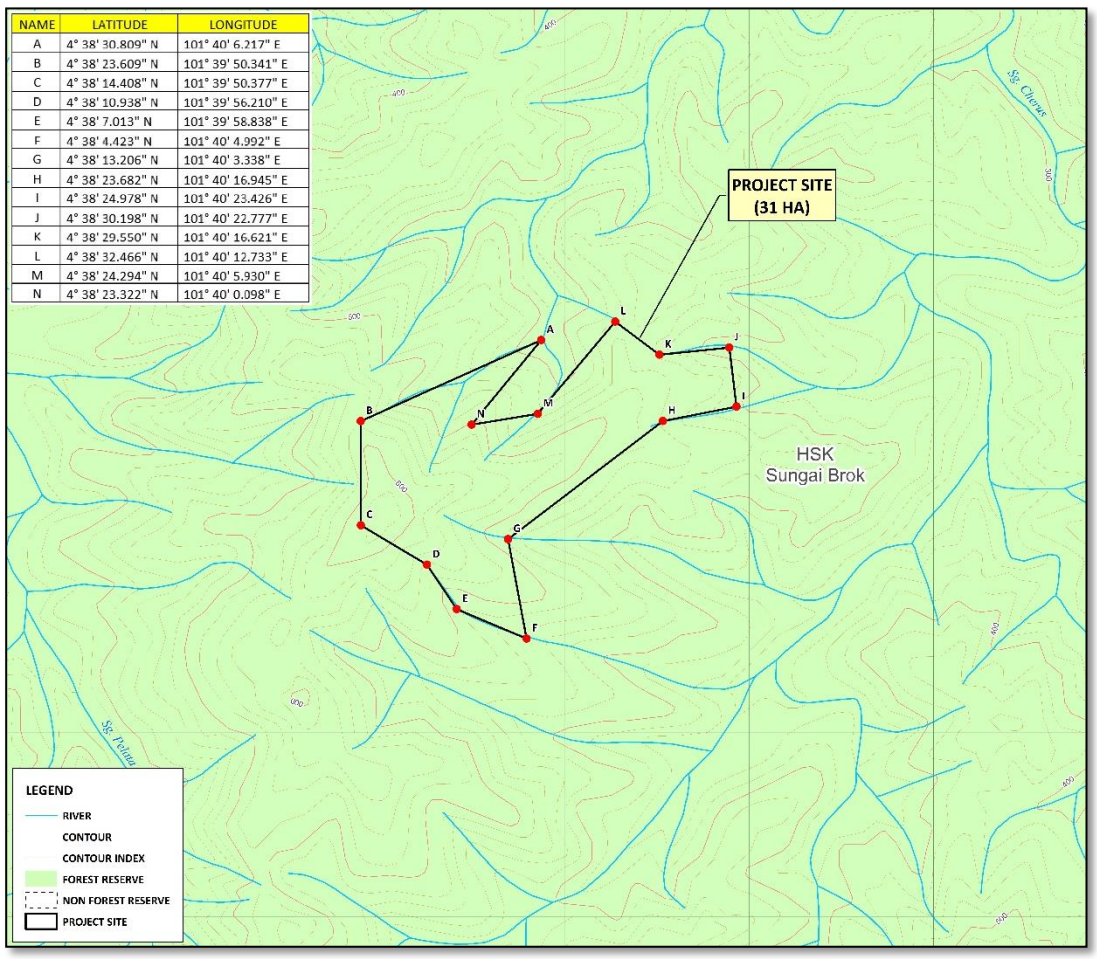
3.0 LEGISLATIVE REQUIREMENTS

Section 34A of the Environmental Quality Act 1974, Environmental Quality (Prescribed Activities) (Environmental Impact Assessment) Order 2015

Schedule 2, Activity 8 (b) – Mining of Minerals within or adjacent or near to environmentally sensitive area.

Project Initiator is required to submit an EIA report to the Director General of the Department of Environment (DOE) for approval before the project can be granted the permission to commence the operation.

4.0 PROJECT OVERVIEW



NAME	LATITUDE	LONGITUDE
A	4° 38' 30.809" N	101° 40' 6.217" E
B	4° 38' 23.609" N	101° 39' 50.341" E
C	4° 38' 14.408" N	101° 39' 50.377" E
D	4° 38' 10.938" N	101° 39' 56.210" E
E	4° 38' 7.013" N	101° 39' 58.838" E
F	4° 38' 4.423" N	101° 40' 4.992" E
G	4° 38' 13.206" N	101° 40' 3.338" E
H	4° 38' 23.682" N	101° 40' 16.945" E
I	4° 38' 24.978" N	101° 40' 23.426" E
J	4° 38' 30.198" N	101° 40' 22.777" E
K	4° 38' 29.550" N	101° 40' 16.621" E
L	4° 38' 32.466" N	101° 40' 12.733" E
M	4° 38' 24.294" N	101° 40' 5.930" E
N	4° 38' 23.322" N	101° 40' 0.098" E

Mining Lease (ML):

ML 4/2025
Total area: 31 Ha
Period: 20th August 2025– 19th August 2028 (3 years)

Mining Life Operational Life:

35 Months / 2.9 Years

Current Land Use

Lot 54: **Logged Over Secondary Forest**

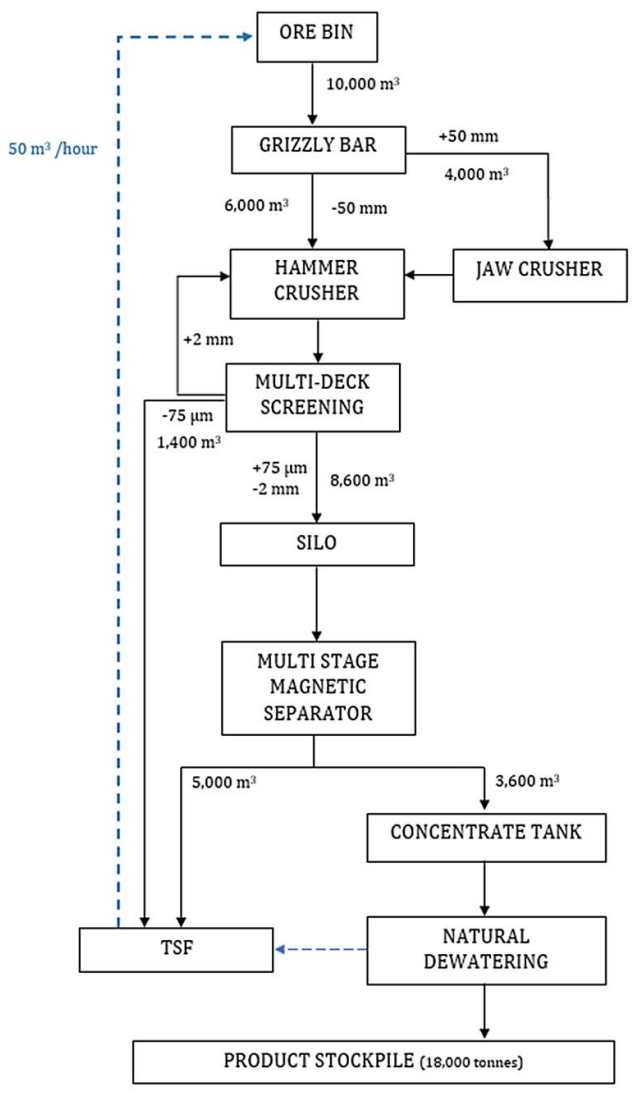
Iron Sand Reserves and Mine Operational Life

Estimated Workable Deposit Area	Estimated Deposits	Mine Operational Life
6.97	539,753.4 – 599,726 tonnes	2.9 Years

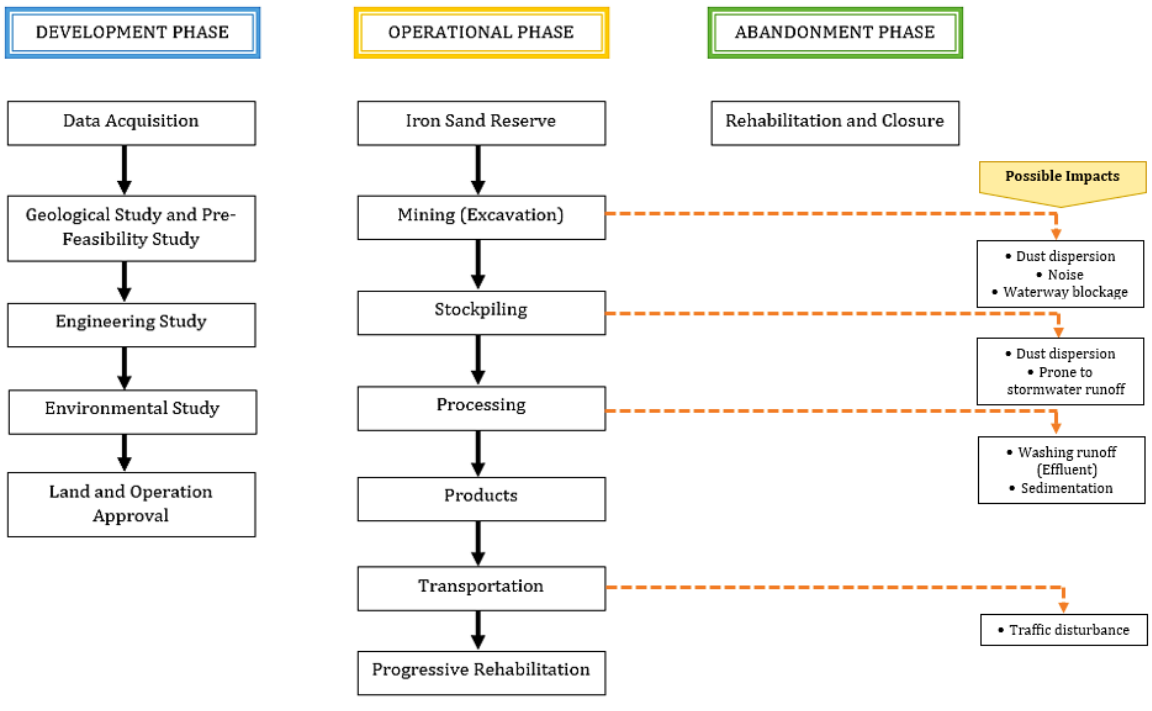
PROJECT CONCEPT → Direct Excavation → Internal Haulage → Ore Processing (Wet)

Point	Latitude	Longitude	Point	Latitude	Longitude
A	4° 38' 30.809" N	101° 40' 6.217" E	**H**	4° 38' 23.682" N	101° 40' 16.945" E
B	4° 38' 23.609" N	101° 39' 50.341" E	**I**	4° 38' 24.978" N	101° 40' 23.426" E
C	4° 38' 14.408" N	101° 39' 50.377" E	**J**	4° 38' 30.198" N	101° 40' 22.777" E
D	4° 38' 10.938" N	101° 39' 56.210" E	**K**	4° 38' 29.550" N	101° 40' 16.621" E
E	4° 38' 7.013" N	101° 39' 58.838" E	**L**	4° 38' 32.466" N	101° 40' 12.733" E
F	4° 38' 4.423" N	101° 40' 4.992" E	**M**	4° 38' 24.294" N	101° 40' 5.930" E
G	4° 38' 13.206" N	101° 40' 3.338" E	**N**	4° 38' 23.322" N	101° 40' 0.098" E

PROPOSED MINING OPERATION



OVERALL MINING OPERATION WITH POSSIBLE IMPACTS



TYPICAL MINING PROJECT ACTIVITIES



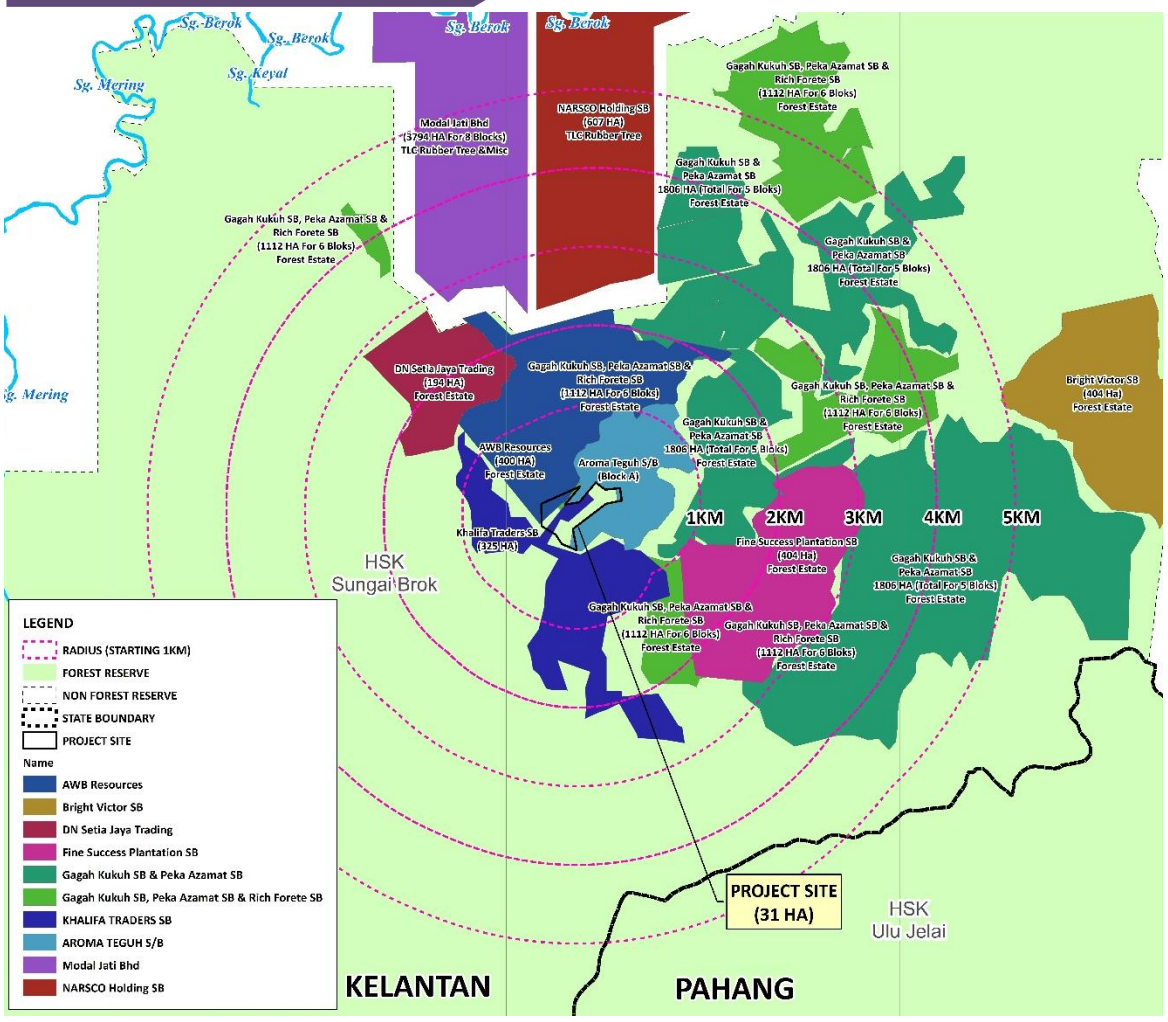
- Exploration
- Environmental Impact Assessment
- Feasibility Study

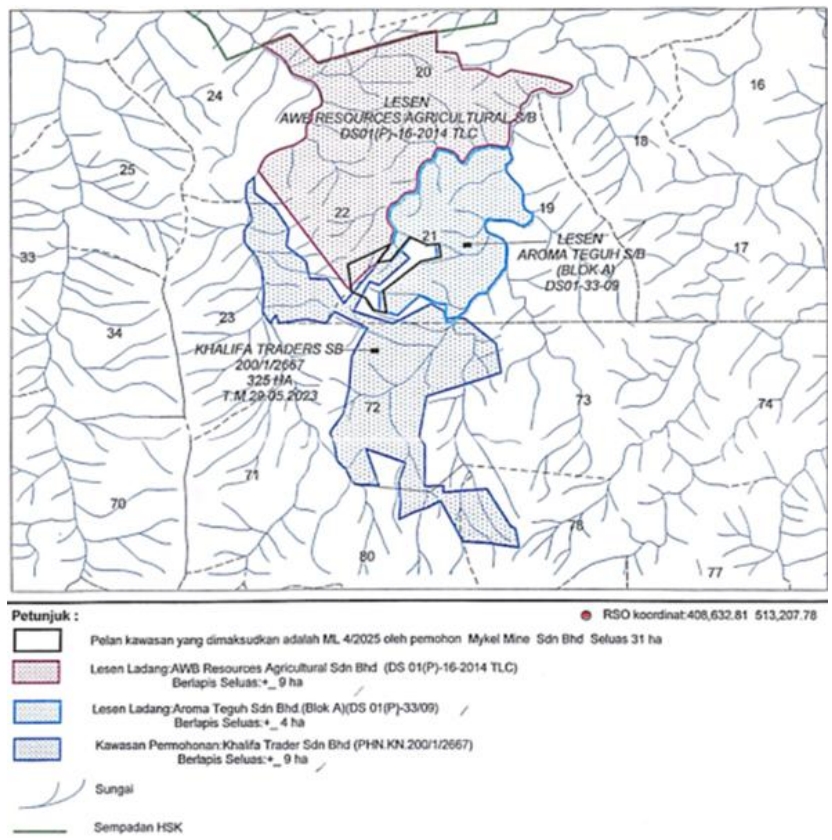
- Site Clearing
- Infrastructure, Facilities Construction and BMPs
- Mine Face Development
- TSF Construction
- Processing Plant Construction

- ROM Excavation
- Hauling
- Stockpiling
- Processing
- Transportation
- Tailing Management
- BMPs
- Progressive Rehabilitation

- Reclamation
- Rehabilitation

NEIGHBOURING AREAS PROJECT





OVERLAPPING LOT WITH THE PROJECT SITE

No.	Project Proponent	Activity	Acreage (Ha)	Overlapped Area (Ha)
1.	AWB Resources	Forest Estate	400	9
2.	Aroma Teguh Sdn. Bhd. (Blok A)	Forest Estate	N/A	4
3.	Khalifa Trader Sdn. Bhd.	Forest Estate	325	9

LANDUSE ACTIVITIES WITHIN 5KM RADIUS

Radius / Direction	0-3 km	3-5 km
Northern	Forest	Forest
Southern	Forest	Forest
Western	Forest	Forest
Eastern	Forest	Forest

Proposed project is surrounded with forest and forest plantation activities.

5.0 EXISTING ENVIRONMENT

LANDUSE

- The project site is zoned as Forestry Area. Located within HSK Sungai Brok, Mukim Blau, Daerah Hau, Lojing, Kelantan.
- Mining activities were permitted with conditions by local authorities as refer to letter from PLANMalaysia@Kelantan.

TOPOGRAPHY

- Undulating hilly area at Sungai Brok reserved forest. Previously logged over.
- Generally surrounded by forest plantations, rivers and logged forest.
- The project site is mainly drained towards Sungai Cherus located at the northern direction of project area.

CLIMATE

- Mean monthly relative humidity ranges from 76.9% to 90.4%.
- Monthly mean temperature ranges from 27.8°C to 35.3°C.
- Wind conditions are predominantly calm, with calm conditions recorded for approximately 29.4% of the observations and a mean wind speed of 0.8 m/s.
- Monthly rainfall occurs throughout the year, with the highest recorded monthly rainfall of 542.0 mm in May 2017. The highest number of rainy days was 27 days in October 2018.

WATER INTAKE

- There is only one (1) water intakes being monitored for this project.
- Bertam Baru Water Intake (69.5 km) is located at downstream of the project site.

WATER QUALITY

- Fifteen (15) sampling points to be compared to NWQS Class IIB.
- A total of fourty-one (41) parameters were analysed for each sample, consisting of physical, organics, inorganics, metals and major cations, and microbiological compounds.
- In-situ measurements of temperature, pH, dissolved oxygen, percentage dissolved oxygen saturation, salinity and conductivity were also carried out for each sample.

GEOLOGY AND HYDROGEOLOGY

- Comprised of argillaceous rocks such as schist, phyllite and slate. These argillaceous rocks are associated with the Raub-Bentong Suture Zone.
- Ten (10) outcrops were visited to obtain the geology information about the site while the subsurface geology was collected from four (4) boreholes that were drilled inside the proposed project site.
- The groundwater quality of all monitoring wells has the index score ranging from 96.11 – 98.78 and was categorised according to NGWQI as Excellent.

GEOCHEMISTRY

- All samples were identified as Non-Acid Producing (NAF) based on % S values.
- The Ficklin plot shows that most of the groundwater samples were plotted inside the Near Neutral Low Metal region. A distinct cluster of data points in the high pH region of the plot indicates the absence of AMD.

AMBIENT AIR, GAS AND NOISE

- 2 Ambient air and noise samples taken at the sensitive receptors surrounding the project area.
- 2 Sample of gases at the project site were analysed which include SO2, NO2 and CO.
- PM2.5 and PM10, and all gas parameters were compared with MAAQS.
- Noise results were compared with Recommended Permissible Sound Level (Laeq) By Receiving Land Use for New Development (Schedule 1 of The Guideline).

TRAFFIC

- The project site can be accessed via Jalan Gua Musang-Cameron Highlands entering off-road access route for approximately 14.5 km leading directly to the project site entrance.
- The traffic conditions at Station MB1 along Federal Route 185, Jalan Gua Musang to Cameron Highlands are operating at an excellent level of service in 2026

ECOLOGY

- The land is located at forest reserves, namely Sungai Brok Forest Reserve, and inside the main range CFS Forest Complex.
- It has an undulating topographic landscape of disturbed hill dipterocarp forest.
- A qualitative survey was conducted with transects to determine the flora diversity. Meanwhile, mammal survey was carried out using a line transect and random survey as well as camera traps in the study plot, and all the secondary signs on the left and right of the paths were recorded.

SOCIO-ECONOMY

- 71 respondents were involved from the nearest local settlements which is KOA Selyeh, KOA Om and KOA Kelaik; located outside of ZOI radius.
- Includes questionnaire survey, Focus Group Discussion (FGD) and informal conversations.

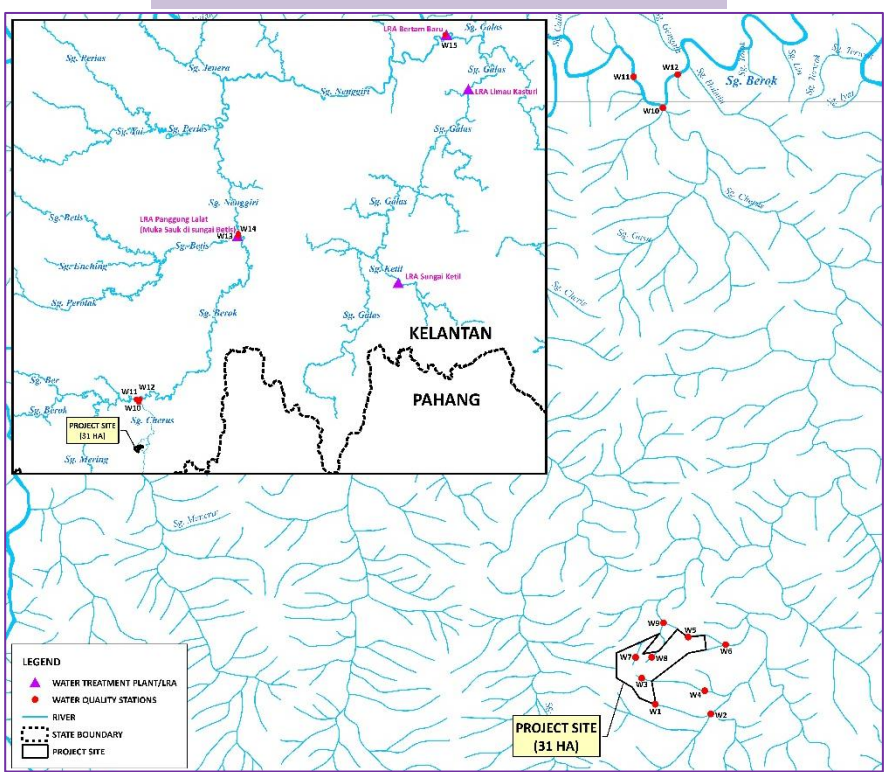
NILAIMAS SERVICES
ENVIRONMENTAL & TRAFFIC CONSULTANTS

ENVIRONMENTAL IMPACT ASSESSMENT (EIA) (SECOND SCHEDULE)

ENVIRONMENTAL IMPACT ASSESSMENT FOR "PROPOSED IRON MINING (IRON SAND) ON ML 4/2025 LOT 54 WITH AN AREA OF 31 HA, HUTAN SIMPAN SUNGAI BROK, MUKIM BLAU, DAERAH HAU, JAJAHAN KECIL LOJING, KELANTAN DARUL NAIM" - SCHEDULE II

REV:00

LOCATION OF WATER SAMPLING STATION

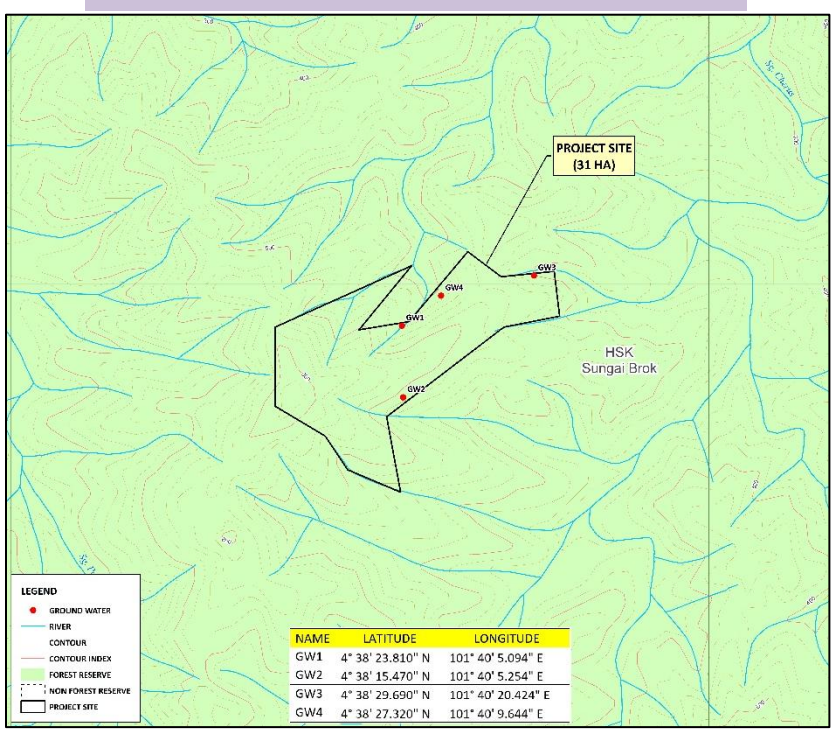


NATIONAL WATER QUALITY STANDARDS FOR MALAYSIA

PARAMETER	UNIT	CLASS				
		I	IIA	IIB	III	IV	V
Ammoniacal Nitrogen	mg/l	0.1	0.3	0.3	0.9	2.7	> 2.7
Biochemical Oxygen Demand	mg/l	1	3	3	6	12	> 12
Chemical Oxygen Demand	mg/l	10	25	25	50	100	> 100
Dissolved Oxygen	mg/l	7	5 - 7	5 - 7	3 - 5	< 3	< 1
pH	-	6.5 - 8.5	6 - 9	6 - 9	5 - 9	5 - 9	-
Colour	TCU	15	150	150	-	-	-
Electrical Conductivity*	⍰S/cm	1000	1000	-	-	6000	-
Floatables	-	N	N	N	-	-	-
Odour	-	N	N	N	-	-	-
Salinity	ppt	0.5	1	-	-	2	-
Taste	-	N	N	N	-	-	-
Total Dissolved Solid	mg/l	500	1000	-	-	4000	-
Total Suspended Solid	mg/l	25	50	50	150	300	300
Temperature	°C	-	Normal + 2 °C	-	Normal + 2 °C	-	-
Turbidity	NTU	5	50	50	-	-	-
Faecal Coliform**	count/100 ml	10	100	400	5000 (20000)[a]	5000 (20000)[a]	-
Total Coliform	count/100 ml	100	5000	5000	50000	50000	> 50000

PARAMETER	UNIT	CLASS				
		I	IIA/IIB	III#	IV	V
Al	mg/l	NATURAL LEVEL OR ABSENT	-	(0.06)	0.5	LEVELS ABOVE IV
As	mg/l		0.05	0.4 (0.05)	0.1	
Ba	mg/l		1	-	-	
Cd	mg/l		0.01	0.01* (0.001)	0.01	
Cr (VI)	mg/l		0.05	1.4 (0.05)	0.1	
Cr (III)	mg/l		-	2.5	-	
Cu	mg/l		0.02	-	0.2	
Hardness	mg/l		250	-	-	
Ca	mg/l		-	-	-	
Mg	mg/l		-	-	-	
Na	mg/l		-	-	3 SAR	
K	mg/l		-	-	-	
Fe	mg/l		1	1	1 (Leaf) 5 (Others)	
Pb	mg/l		0.05	0.02* (0.01)	5	
Mn	mg/l		0.1	0.1	0.2	
Hg	mg/l		0.001	0.004 (0.0001)	0.002	
Ni	mg/l		0.05	0.9*	0.2	
Se	mg/l		0.01	0.25 (0.04)	0.02	
Ag	mg/l		0.05	0.0002	-	
Sn	mg/l		-	0.004	-	
U	mg/l		-	-	-	
Zn	mg/l		5	0.4*	2	
B	mg/l		1	(3.4)	0.8	
Cl	mg/l		200	-	80	
Cl_2	mg/l		-	(0.02)	-	
CN	mg/l		0.02	0.06 (0.02)	-	
F	mg/l		1.5	10	1	
NO_2	mg/l		0.4	0.4 (0.03)	-	
NO_3	mg/l		7	-	5	
P	mg/l		0.2	0.1	-	
Silica	mg/l		50	-	-	
SO_4	mg/l		250	-	-	
S	mg/l		0.05	(0.001)	-	
CO_2	mg/l		-	-	-	
Gross-α	Bq/l		0.1	-	-	
Gross-β	Bq/l		1	-	-	
Ra-226	Bq/l		<0.1	-	-	
Sr-90	Bq/l		< 1	-	-	
CCE	μg/l		500	-	-	-
MBAS/BAS	μg/l		500	5000 (200)	-	-
O & G (Mineral)	μg/l		40; N	N	-	-
O & G (Emulsified Edible)	μg/l		7000; N	N	-	-
PCB	μg/l		0.1	6 (0.05)	-	-
Phenol	μg/l		10	-	-	-
Aldrin/Dieldrin	μg/l		0.02	0.2 (0.01)	-	-
BHC	μg/l		2	9 (0.1)	-	-
Chlordane	μg/l		0.08	2 (0.02)	-	-
t-DDT	μg/l		0.1	(1)	-	-
Endosulfan	μg/l		10	-	-	-
Heptachlor/Epoxide	μg/l		0.05	0.9 (0.06)	-	-
Lindane	μg/l		2	3 (0.4)	-	-
2,4-D	μg/l		70	450	-	-
2,4,5-T	μg/l		10	160	-	-
2,4,5-TP	μg/l		4	850	-	-
Paraquat	μg/l		10	1800	-	-

LOCATION OF GROUNDWATER SAMPLING STATION



Well No.	Coordinate		Est. Ground Level (m a.m.s.l.)	Well Depth (m)	Water Depth (m)	Water Level (m a.m.s.l.)
	Eastern	Northern				
GW 1	408391.5	513344.3	440.	18.30	2.90	437.1
GW 2	408391.5	513071.5	485	17.24	9.50	475.7
GW 3	408878.3	513518.6	435	28.68	15.24	419.8
GW 4	408524.1	513446.6	417	23.21	12.36	404.6

GWQI	Category	Potential Use
0 - 15	Polluted	Investigation needed before use
16 - 39	Slightly polluted	Irrigation
40 - 69	Moderate	Raw water / Industrial use
70 - 89	Good	Potential for drinking, **SUBJECT** to compliance of all parameters listed under MOH Drinking Water Quality Standards
>90	Excellent	High quality water for all purpose, **SUBJECT** to compliance of respective water quality standards stipulated for the intended use

Groundwater concentration values were compared with two (2) Malaysian Environmental Standards

- Groundwater Quality Standards and Quality Index (GWQI). Department of Environment Malaysia.
- Recommended Raw Water Quality Criteria from the Ministry of Health, Malaysia

MALAYSIA AMBIENT AIR QUALITY STANDARDS

Pollutant	Average Time	Ambient Air Quality Standard (μg/m³)
Particulate Matter with the size of less than 10 micron (PM_{10})	1 Year	40
	24 Hour	100
Particulate Matter with the size of less than 2.5 micron ($PM_{2.5}$)	1 Year	15
	24 Hour	35
Sulfur Dioxide (SO_2)	1 Hour	250
	24 Hour	80
Nitrogen Dioxide (NO_2)	1 Hour	280
	24 Hour	70
Ground Level Ozone (O_3)	1 Hour	180
	8 Hour	100
*Carbon Monoxide (CO) mg/m³	1 Hour	30
	8 Hour	10

LIMITING SOUND LEVELS FOR NEW DEVELOPMENT (SCHEDULE 1)

Receiving Land Use Category	Limit
Suburban Residential (Medium Density) Recreational	Recommended Permissible Sound Level (L_{Aeq}) by Receiving Land Use for New Development (Schedule 1) Day time - $L_{Aeq} \leq 60dB(A)$ Nighttime - $L_{Aeq} \leq 55dB(A)$

6.0 ENVIRONMENTAL ASSESSMENT MATRIX

Environmental Component	Project Activity																						
	Investigation				Site Preparation and Development									Operation and Production								Closure/ Exit	
	Field Reconnaissance	Exploration, Site Surveying and Mapping	Soil Investigations (Drilling and Sampling)	Environmental Assessment	Establish Access Road	Boundary Demarcation and Positioning	Provision of Buffer Areas Within Site	Mobilization of Workforce	Transport of Equipment and Supplies	Site Clearing and Biomass Removal	Infrastructure Construction (Haulage Road and Working Platform)	Improvement to drainage system	Installation of Crushers or Processing Plant	Waste Disposal	Clearing of Quarries/Mines Site Involving Vegetation Clearing	Overburden Stripping and Waste Disposal	Digging and Hauling	Excavation and Extraction which may involve Crushing	Loading and Transportation of Excavated Materials	Processing and Stockpiling	Tailing Management and Waste Disposal	Site-Restoration (Back-filling, Compaction and Topsoiling of the excavated area)	Rehabilitation Works
Land																							
Landforms	N	N	/	N	/	/	/	1	X	/	/	1	/	/	/	/	/	/	1	1	/	/	/
Soil Profiles	N	N	N	N	/	2	/	X	X	/	2	1	1	1	/	/	/	/	1	1	1	/	/
Soil Composition	N	N	/	N	/	1	/	X	X	3	2	1	1	/	/	/	/	/	1	1	/	/	/
Slope Stability	N	N	/	N	/	/	/	X	X	/	/	/	/	/	/	/	/	/	2	3	/	/	/
Subsidence and Compaction	N	N	/	N	/	1	/	X	X	/	/	1	2	/	/	/	/	/	1	1	1	/	/
Seismicity	N	N	N	N	1	1	X	X	X	1	2	1	1	X	1	1	/	/	1	1	1	/	/
Flood Plains/Swamp	N	N	/	N	/	1	/	X	X	/	/	/	/	/	/	/	/	/	1	2	/	/	/
Landuse	N	N	N	N	/	1	/	X	X	3	2	1	/	/	/	/	/	/	1	1	/	/	/
Engineering and Mineral Resources	N	N	/	N	/	1	/	X	X	2	3	/	/	/	/	/	/	/	1	1	/	/	/
Buffer Zones	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	1	1	/	/	/
Surface Water																							
River	N	N	/	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Bottom Interface	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Flow Variation	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Water Quality	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Drainage Pattern	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Water Balance	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Flooding	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Existing Use	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Groundwater																							
Water Table	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Flow Regime	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Water Quality	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Recharge	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Aquifer Characteristics	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Existing Use	N	N	/	N	1	1	1	1	1	/	/	/	/	/	/	/	/	/	1	/	/	/	/
Atmosphere																							
Air Quality	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Air Flow	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Climate Change	N	N	1	N	1	1	1	N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Visibility	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Noise																							
Intensity	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Duration	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Frequency	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Biological Resources																							
Terrestrial Vegetation	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+
Terrestrial Wildlife	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+
Other Terrestrial Fauna	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+
Fish	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+
Other Aquatic/Marine Flora	N	N	/	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+
Terrestrial Habitats	N	N	/	N	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	+	+
Terrestrial Communities	N	N	/	N	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	+	+
Aquatics Habitats	N	N	/	N	2/	2/	2/	2/	1	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	2/	+	+
Aquatics Communities	N	N	/	N	2/	2/	2/	2/	1	2/	2/	2/	2/	2/	2/	2/	2/	2/	1	2/	2/	+	+
Human Health and Safety																							
Physical Safety	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Physiological Wellbeing	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Parasitic Disease	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Communicable Disease	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Physiological Disease	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Social Economic																							
Employment	N	N	N	N	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Housing	N	N	N	N	X	X	X	X	X	/	/	X	/	/	/	/	/	/	/	/	/	+	+
Utilities	N	N	N	N	X	X	X	X	X	/	/	1	/	/	/	/	/	/	/	/	/	+	+
Amenities	N	N	N	N	X	X	X	X	X	/	/	X	/	/	/	/	/	/	/	/	/	X	X
Property and Settlement	N	N	N	N	X	X	X	X	X	/	/	X	/	/	/	/	/	/	/	/	/	+	+
Aesthetic and Cultural																							
Landforms	N	N	N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+
Biota	N	N	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+
Wilderness	N	N	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	+	+
Water Quality	N	N	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Atmospheric Quality	N	N	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Climate	N	N	N	N	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	+	+
Tranquillity	N	N	N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+
Sense of Community	N	N	N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+
Community Structure	N	N	N	N	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	N	N
Man-made Object	N	N	N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	N	N
Historic Places or Structure	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Religious Places or Structure	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
Landscape	N	N	N	N	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	+	+

7.0 ENVIRONMENTAL MANAGEMENT PLAN (EMP)

Typical EIA Approval Conditions	Report Frequency
To be submitted starting from land clearing stage until the cessation of the mining operation	
• **Compliance Form EIA 1-18 & 2-18**	Every 3 months
To be submitted starting from land clearing stage until the cessation of the mining operation	
• **Surface water quality**	Every Month
• **Total Suspended Solid (Discharge from silt traps/ sediment basins)**	Every Month
• **Ambient air quality**	Every 3 months
• **Ambient noise level**	Every 3 months
To be submitted before the commencement of earthwork	
• **EMP**	Before earthwork
To be submitted before the commencement of earthwork	
• **ESCP**	Before Earthwork

LD-P2M2



Sediment Basin/ Detention Pond

Waterway Crossing





Temporary Earth Drain

Check Dams





Geo Bags

Biomass Waste Area





Tailing Ponds

Buffer Area



BMPs



Scheduled waste management

Fogging





Quality monitoring

Storage Area





Water Browser

Desilting

