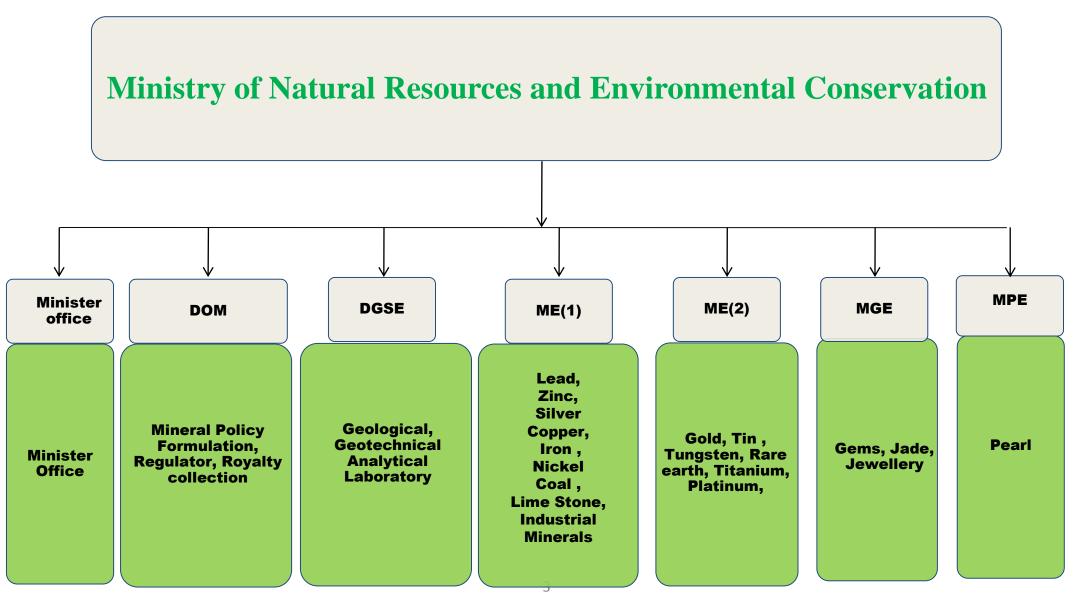


Outline of Presentation

- Brief Introduction of Mining Industry of Myanmar.
- Mineral Occurrence and Current Operation in Myanmar.
- New Mining law and rules.
 - Regulatory Framework and Basic Mining Laws
 - Rules, Regulations and Procedures applicable to Mining and Minerals
 Processing
- New opportunities for investors.
 - Ownership Requirements and Investment Incentives
 - Taxation, Royalties and Revenue Sharing Regimes
- Environmental and Social Sustainability Requirements

Brief Introduction of Mining Industry of Myanmar

ORGANIZATION CHART OF MINISTRY (MINERAL SECTOR)







- To conserve and protect natural resource of the country.
- To extract and utilize the country's natural resources in a sustainable manner so that they can be inherited and transferred from one generation to another.
- To create harmony of environmental conservation and implementation of development projects in a balance manner.
- Foreign & Local Investors are invited to invest in mineral sector.

Current Mineral Policy

- Ensure the state benefits from the mining industry by levying and collecting taxes from local and foreign investors in an equitable, fair and transparent manner.
- Emphasize the environmental conservation and mine safety as well as the avoidance of human right abuses by carefully.
- To reduce poverty in local communities for encourage and support the local community, local goods and service providers (Local Content)
- > Encouraging responsible Mining.

Permits Issued to Foreign Investors (30.4.2018)

Sr.	Company	Registered Country	Type of Mineral	Area (Acre)	Type of Permit
1.	Conerstone Resource (Myanmar) Ltd	Australia	Zinc Ore	1976.8	Large Scale Mining Permit
2.	Myanmar Ponepipet Co.,Ltd	Thailand	Tin Concentrate	2110	Large Scale Mining Permit
3.	Myanmar CNMC Nickel Co.,Ltd	China	Ferronickel	5082.37	Large Scale Mining Permit
4.	Simco Song Da Joint Stock Co.,	Vietnam	Marble	585.72	Large Scale Mining Permit
5.	Myanmar Yangtze Copper Co., Ltd.	China	Copper	5841.44	Large Scale Mining Permit
6.	Myanmar Wanbao Copper Co., Ltd.	China	Copper	7946.36	Large Scale Mining Permit
7.	GPS Joint Venture Co.,Ltd	China	Lead, Zinc	495	Large Scale Mining Permit
8.	Sichuan Chuandi (Myanmar) Mining Co.Ltd	China	Copper and associated Mineral	6500.3	Exploration and F . S
9.	Asia Pacific Mining Ltd.	China	Lead, Zinc , Copper, Gold	46232.41	Exploration Permit
10.	Daewoo Precious Resources Co.Ltd	Korea	Copper, Gold	23968.70	Exploration Permit 7

Permits Issued to Foreign Investors (30.4.2018)

Sr.	Company	Registered Country	Type of Mineral	Area (Acre)	Type of Permit
11.	Royal Light Ron Ann Co., Ltd	China	Iron	500	Exploration and F . S
12.	Wuntho Resources Co.Ltd.	Australia	Copper and Associated Minerals	90550	Prospecting, Exploration & F.S
13.	Lumpoondum Mining Co.Ltd.	Thailand	Coal	9884	Exploration & Feasibility Study
14.	Sino Chateau Co.Ltd.	England	Tin-Tungsten and Associated Minerals	390	Exploration & Feasibility Study
15.	Myanmar Tasaki Co.,	Japan	Pearl	28159.52	Pearl Firm
16.	Myanmar Atlantic Co.,	Australia	Pearl	10501.75	Pearl Firm
17.	Myanmar Adman pearl	Thailand	Pearl	19199.67	Pearl Firm
18.	Belpearl	S'pore	Pearl	7680	Pearl Firm
19.	Myanmar VES Joint Venture Co.,	Thailand	Jewellery Making	0.11	Production

Permitted Licenses of State & Region (30.4.2018)

Sr. No	State & Region	Large Scale	Small Scale	Mineral Exploration	Mineral Prospecting	Subsisten ce	Small Scale Processing	Total
1	Kachin	4	66	48	-	-	-	118
2	Kayah	1	14	6	-	-	-	21
3	Kayin	6	34	16	1	-	-	57
4	Chin	-	-	3	-	-	-	3
5	Sagaing	24	142	42	8	2	2	220
6	Tanintharyi	19	34	50	3	-	-	106
7	Nay Pyi Taw	3	-	-	-	-	-	3
8	Bago	-	5	1	-	-	-	6
9	Magway	3	36	21	-	-	-	60
10	Mandalay	43	245	59	2	13	89	451
11	Mon	5	14	1	1	4	-	25
12	Rakhine	1	-	3	-	-	-	4
13	Yangon	-	-	-	-	-	1	1
14	Shan (South)	16	82	43	3	2	-	146
15	Shan (North)	21	47	18	2	-	-	88
16	Shan (East)	2	66	22	3	-	-	93
17	Ayeyarwaddy	2	1	-	-	-	-	3
	Total	150	786	333	23	21	92	1405

Permitted Licenses by types of Minerals (30.4.2018)

Sr.No	Minerals	Large Scale	Small Scale	Exploration	Subsistence	Small Scale Processing	Total
1	Coal	48	93	118	2	-	261
2	Limestone	42	6	13	2	-	63
3	Iron	3	5	25	-	-	33
4	Bauxite	2	3	-	-	-	5
5	Nickle	1	-	-	-	-	1
6	Chromum	-	4	2	-	-	6
7	Feldspar	3	-	2	-	-	5
8	Clay	2	9	4	6	-	21
9	Manganese	-	18	1	-	-	19
10	Gypsum	6	16	7	2	-	31
11	Marble	10	7	9	-	90	116
12	Lead	4	98	33	-	-	135
13	Tin-Tungsten	11	33	85	-	-	129
14	Copper	2	47	8	-	-	57
15	Bentonite	-	2	1	5	-	8

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Permitted Licenses by types of Minerals (30.4.2018)

Sr.No	Minerals	Large Scale	Small Scale	Exploration	Subsistence	Small Scale Processing	Total
16	Granite	3	-	-	-	-	3
17	Antimony	1	69	21	-	-	91
18	Zinc	1	-	1	-	-	2
19	Baryte	3	2	9	-	-	14
20	Gold	5	354	5	-	-	364
21	Glass Sand	2	-	3	-	-	5
22	Quartz	1	18	7	-	-	26
23	Dolomite	-	2	2	-	-	4
24	Slate	-	-	-	4	-	4
25	Petrified Wood	-	-	-	-	2	2
	Total	150	786	356	21	92	1405

Permitted Licenses of Kayah State (30.4.2018)

9	Sr.No	License holder	Type of License	Date of award	Expiry date	Commodity	Area (Km2)	Location(Region)
	1	Kayar State Mineral Production Limited	Large	28.2.2014	27.2.2019	Tin & Tungsten	28.4257	Phar Saung,Maw Chee
	2	Ye Htut Kyaw Co.,Ltd	Small	28.1.2017	27.1.2018	Tin & Tungsten	0.2003	Pharsaung, Kaemaphyu Chaung
	3	Ye Htut Kyaw Co.,Ltd	Small	28.1.2017	27.1.2018	Tin & Tungsten	0.2003	Pharsaung, Kaemaphyu Chaung
	4	Thein Myat Lone Mining Co.,Ltd	Small	14.2.2015	13.2.2016	Antimony	0.1942	Phayuso, Kawbar
	5	Kyar Shwe Takar Mining Co.,Ltd	Small	20.1.2016	19.1.2017	Antimony	0.2003	Loikaw, Panechit
	6	Se One Co.,Ltd	Small	23.11.2012	22.11.2015	Antimony	0.2003	Yarthit, Pilutaung
	7	Htee Day Star Co.,Ltd	Small	4.12,2016	3.12.2017	Antimony	0.2003	Loikaw, Dawtanaw
	8	Htee Day Star Co.,Ltd	Small	4.12,2016	3.12.2017	Antimony	0.2003	Loikaw,Dawtanaw
	9	Kayah Htar Ni Mining Co., Ltd	Small	15.1.2018	14.1.2019	Tin & Tungsten	0.2003	Pharsaung, Hteelayke
	10	Kayah Htar Ni Mining Co., Ltd	Small	9.1.2018	8.1.2023	Tin & Tungsten	0.2003	Dimawso, Dawkalawdu
	11	Kayan Mining Co.,Ltd	Small	28.5.2014	27.5.2017	Antimony	0.1295	Loikaw,Loilinnlay ₁₂

Permitted Licenses of Kayah State (30.4.2018)

Sr.No	License holder	Type of License	Date of award	Expiry date	Commodity	Area (Km2)	Location(Region)
12	Trade Supported Myanmar Co.,Ltd	Small	29.4.2015	28.4.2020	Antimony	0.2003	Yarthit, Hawediluu
13	Asia ANT (International)	Small	7.10.2015	6.10.2020	Antimony	0.2003	Loikaw,Loilinnlay
14	Asia ANT (International)	Small	7.10.2015	6.10.2020	Antimony	0.2003	Loikaw,Loilinnlay
15	Tuwana Shwe Sin	Small	1.12.2017	30.11.2022	Lead	0.2003	Dimawso, Dawkalawdu
16	Kyar Htar Ni Mining Co.,Ltd	Explora- tion	2.7.2015	1.7.2016	Lead	0.2003	Kayah,De Maw Soe,Daw Kalaw Do
17	Myanmar Shwe Yee Win Mining Co.,Ltd	Explora- tion	21.1.2016	20.1.2017	Tin & Tungsten	0.2003	Kayah,Phar Soung,Maw Chi
18	Ye Htut Kyaw Co.,Ltd	Explora- tion	3.6.2016	2.6.2017	Lead	0.2019	Kayah,Phar Soung,Maw Chi
19	Taunggyi Thein Mining Co.,Ltd	Explora- tion	26.8.2016	25.8.2017	Antimony	0.2003	Kayah,Loi Kaw,Loi Lin Lay
20	Taunggyi Thein Mining Co.,Ltd	Explora- tion	26.8.2016	25.8.2017	Antimony	0.2003	Kayah,Loi Kaw,Loi Lin Lay
21	Lawl Mu Ku Co.,Ltd	Explora- tion	17.12.2015	16.12.2016	Tin & Tungsten	0.2006	Kayah,Phar Soung,Maw Chi

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Kayah State Permitted Licenses by types of Minerals (30.4.2018)

Sr.No	Minerals	Large Scale	Small Scale	Exploration	Subsistence	Small Scale Processing	Total
1	Lead	-	2	1	-	-	3
2	Tin-Tungsten	1	3	3	-	-	7
3	Antimony	-	9	2	-	-	11
	Total	1	14	6	-	-	21

Mineral Resources of Myanmar (30.4.2018)

6	Mineral	Occurren	D	-		5			
Sr.	Commodity	ces	Deposits	Total	P-2	P-3	P-4	Total	Remarks
1	Columbite Tantalite	3	2	5	0.00003	-	0.0036	0.0036	
2	Coal	203	292	495	229.58	140.73	121.53	491.84	
3	Gemstones	56	12	68	1.07	0.11	0.07	1.25	
4	Copper	88	27	115	1308.55	688.52	0.19	1997.3	
5	Feldspar	3	21	24	0.005	0.86	0.0002	0.865	
6	Antimony	74	58	132	0.18	0.56	0.26	1.0	
7	Chromite	23	20	43	0.02	0.04	0.02	0.08	
8	Lead	163	128	291	13.28	12.67	18.14	44.09	
9	Graphite	21	14	35	0.039	0.004	2.58	2.62	

Mineral Resources of Myanmar (30.4.2018)

C··	Mineral	0	Deposits	Takal	•	Tonnage (M	lillion Tons)		Dans andra
Sr.	Commodity	Occurrences		Total	P-2	P-3	P-4	Total	Remarks
10	Tin –Tungsten	125	358	483	0.36	38.74	0.29	39.39	Ore
					0.08	0.05	0.01	0.14	Concen- trate
11	Gypsum	13	24	37	23.18	12.81	0.007	35.99	
13	Zircon sand	-	11	11	-	31.46	0.38	31.48	
13	Limestone	30	422	452	3095.1	5982.4	49740.5	58818	
14	Dolomite	17	24	41	22.16	7.41	7.73	37	
15	Nickel	4	10	14	70	80.66	12.2	162.86	
16	Fluorite	13	6	19	-	0.002	0.004	0.006	
17	Phosphate rock	12	5	17	0.78	10.02	0.08	10.88	
18	Baryte	19	53	72	0.11	1.36	0.23	1.70	

Mineral Resources of Myanmar (30.4.2018)

Sr.	Mineral	Occurrences	Donosits	Total	•	Tonnage (M	illion Tons)		Remarks
31.	Commodity	Occurrences	Deposits	iotai	P-2	P-3	P-4	Total	Kemarks
19	Bauxite	8	18	26	12.75	261.99	0.16	274.9	
20	Porzolan	-	6	6	-	651	-	651	
21	Molybdenum	16	3	19	-	0.019	0.006	0.025	
22	Manganese	21	31	52	2.9	2.66	5.34	10.9	
23	Kaolin	3	64	67	3.401	0.457	33.11	36.97	
24	Bentonite	2	20	22	-	22.06	2.04	24.1	
25	Glass Sand	4	35	39	83.16	19.86	28.12	131.14	
26	Gold	246	95	341	15.29	47.66	3.16	66.11	Primary
					4.92	341.94	893.28	1240.2	Alluvial
									(CuYd.)
27	Platinum	14	5	19	4.2	1.37	26.95	32.52	
28	Mica	26	4	30	-	0.0036	-	0.0036	
29	Quartz	21	26	47	4	36.04	43.01	83.05	
30	Iron	194	199	393	332.92	61.53	101.44	495.42	
31	Zinc	18	11	29	5.21	14.41	0.33	19.95	
32	Heavy Mineral	10	4	14	-	0.007	0.019	0.026	
33	Decorative	62	31	93	7354	44966	504	52924	
	Stone								

Mineral Resources and Current operations of Myanmar

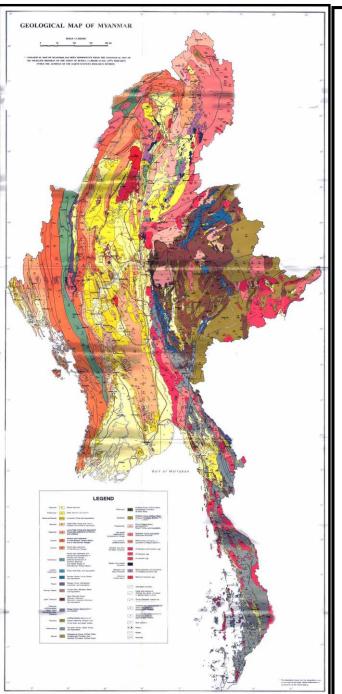
Geological map of Myanmar (1977)

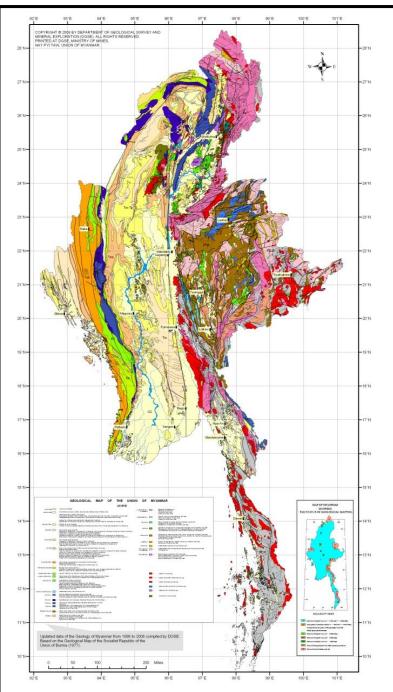
Geological map of Myanmar by GIS (2008)

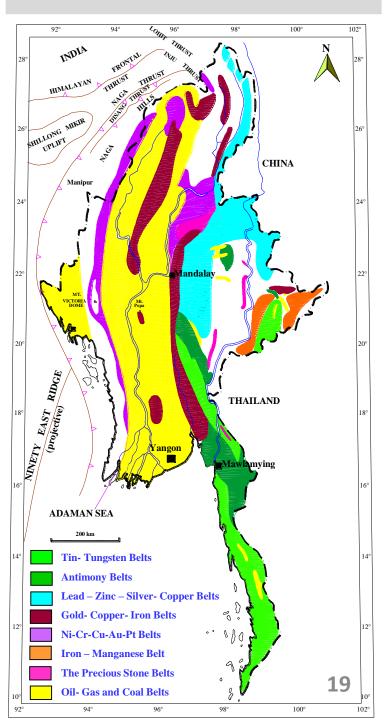


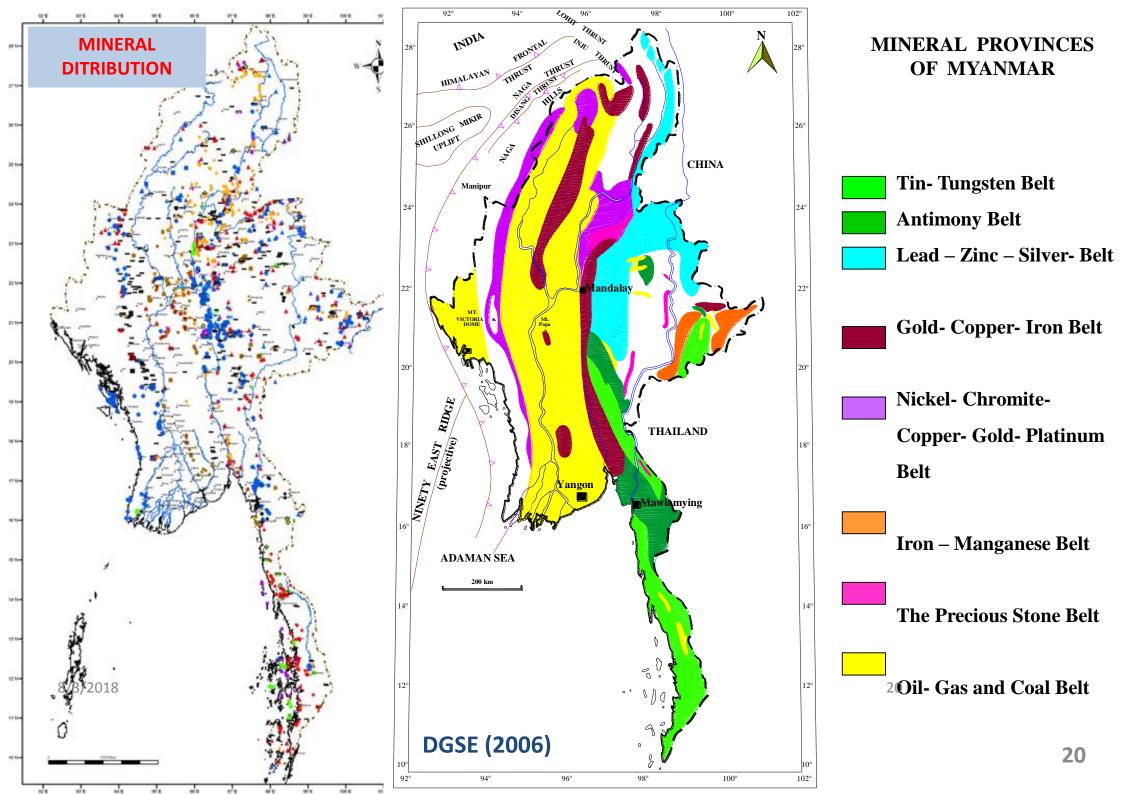
MINERAL BELTS OF

MYANMAR









Myanmar's Mineral occurrences

1. Metallic ore minerals

Iron & metals for steel alloys- Fe, Mn, Cr, Ni, Mo Base & non-ferrous metals – Pb, Zn, Cu, Sn, W, Sb & Ti Precious & rare metals- PGM, Au, Ag, Nb, Ta

2.Industrial minerals & non-metallic raw minerals

Chemical & fertilizer minerals- Barite, fluorite, Gypsum, rock salt Ceramic & refractory minerals- clay, limestone, dolomite, feldspar, quartz, glass sand

Construction & building materials- Decorative stones, road materials, limestone for cement

3. Preceous & semi-precious Gemstones

Ruby, Sapphire, Jade, Diamond, etc

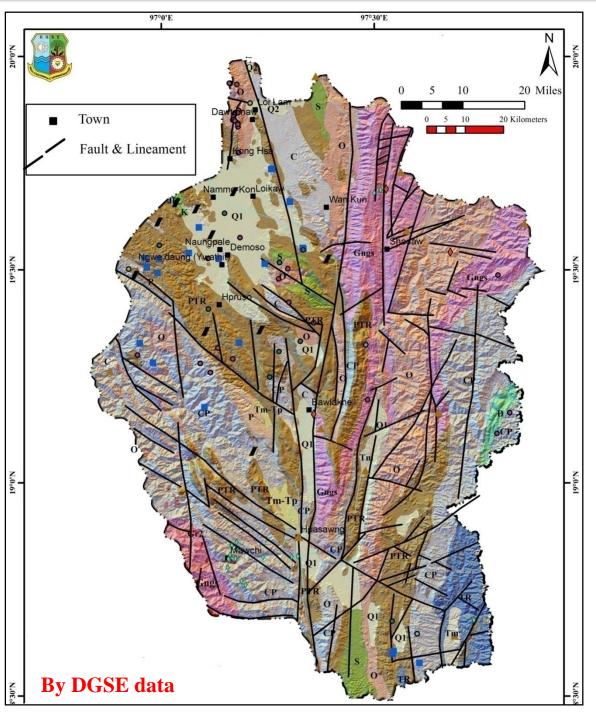
4. Fuel minerals

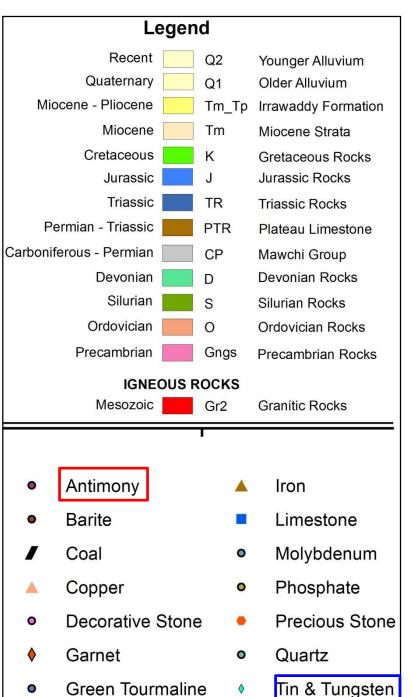
oil, natural gas, oil shale, coal,

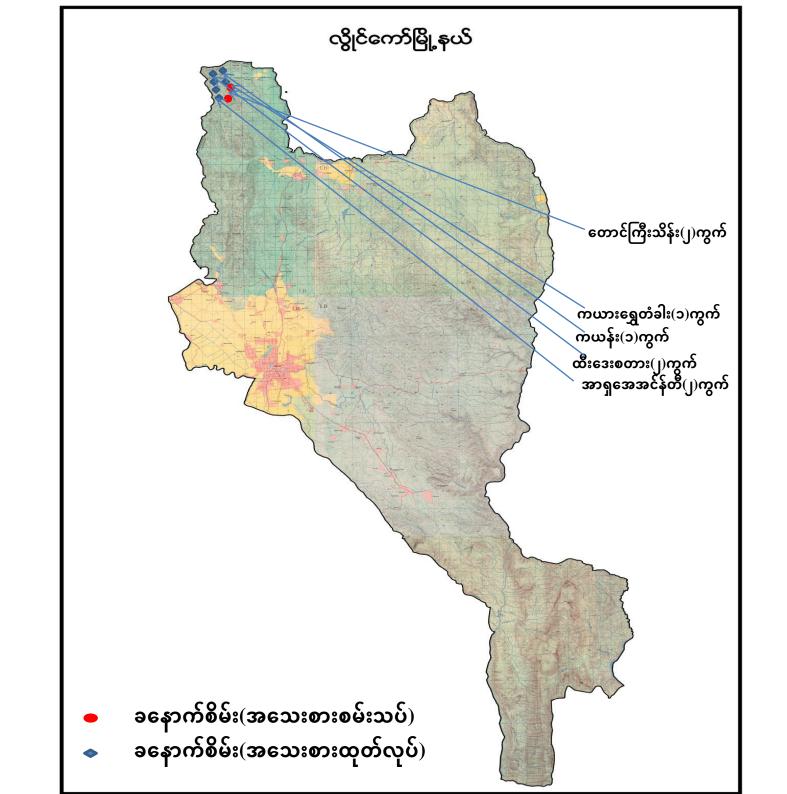
Total 60 mineral commodities and more than 2000 minerals
occurrences have been recorded in the country.

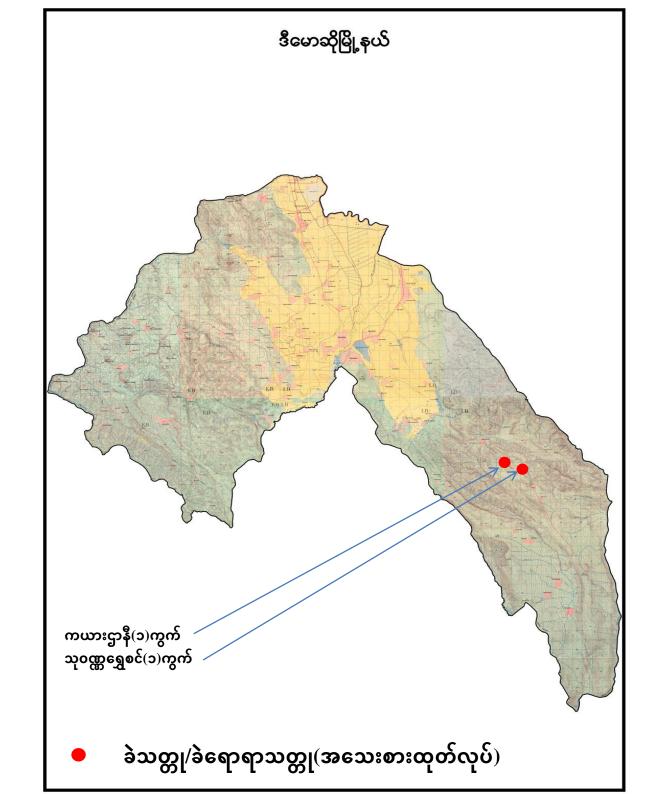
Mineral Resources and Current operations of Kayah State

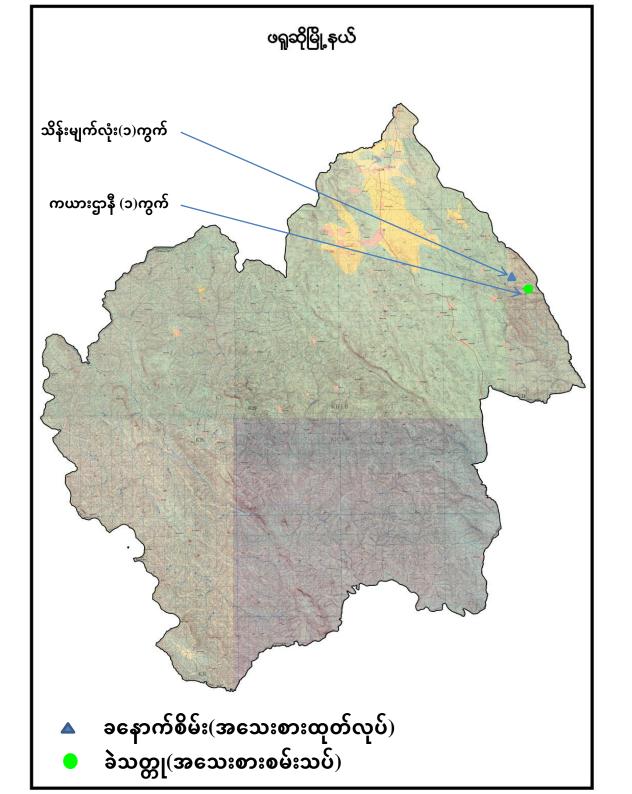
Mineral provinces of Kayah state

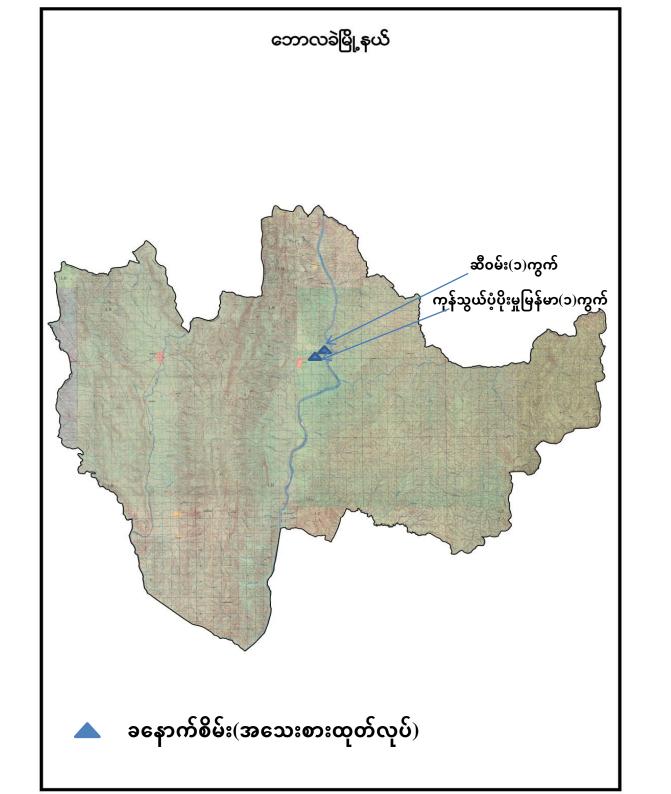


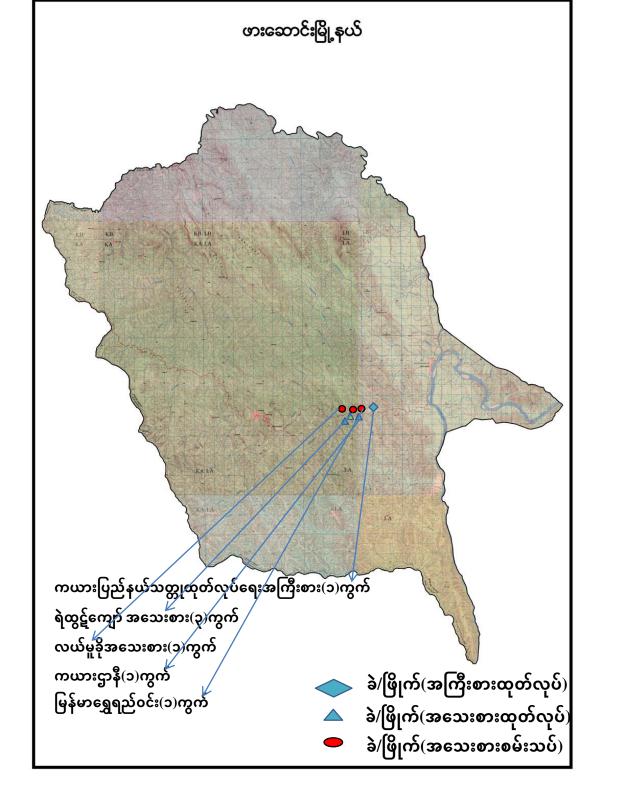




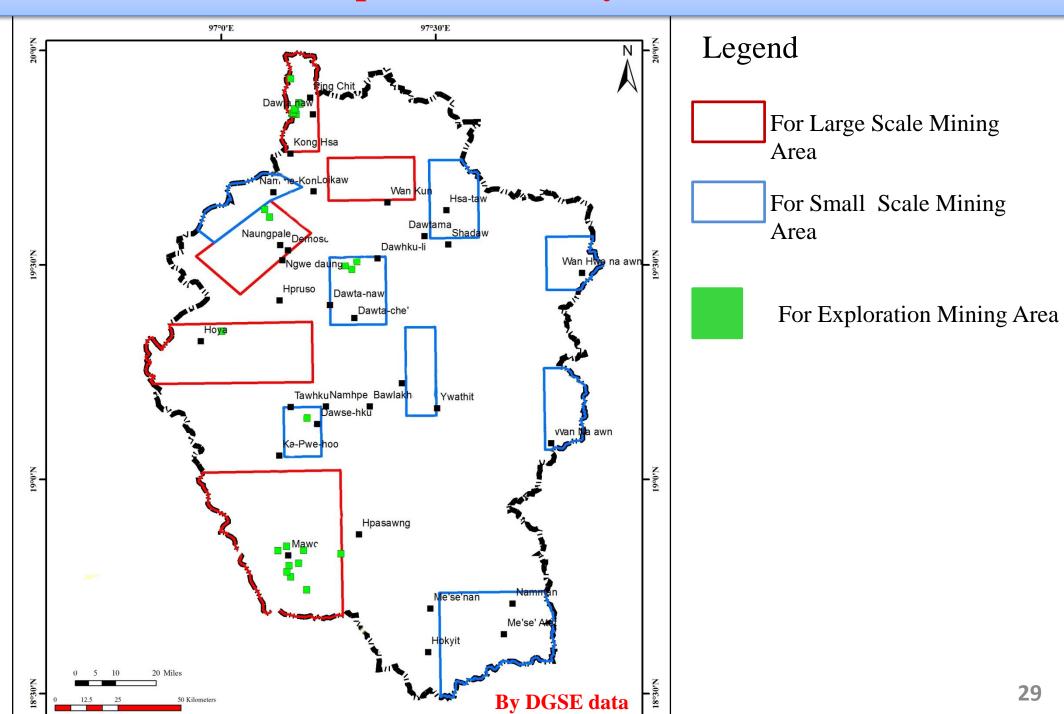








Propose area of Kayah state



New Mining Law & Regulation.

Regulatory Framework and Basic Mining Laws

Mining Law

- Myanmar Mines Law (1994)
- Amendment of Myanmar Mines Law (2015)

Related Laws

- Explosive Act (1937)
- Myanmar Investment Law (2016)
- > The Environmental Conservation Law (2012)
- Environmental Impact Assessment (EIA) Procedure (2015)
- National Environmental Quality (Emission) Guidelines (2015)
- Protection of Wild Life and Wild Plants and Conservation of Natural Areas Law (1994)

Investment Procedures

• Send a request letter for Courtesy Call Step 1 • Discuss on interested minerals and type of mining activities Step 2 • Field visit arrangement Step 3 • Submit Proposal Step 4 • Issuing Permit (Depend on Mining Activity) Step 5

Forms of Investment (Myanmar Investment Law (2016))

100 % Foreign Owned

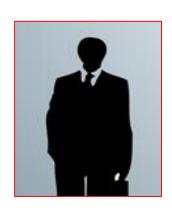


Joint Venture



A Citizen or Concerned Government Organization

Any system included in the Mutually agreed contract





The party which mention in the contract.

Types of Investments

- Ministry with the approval of the Government can issue Large Scale Production Permits for Foreign Investment.
- Medium Scale and small scale reserved for local investment.
- Local invested Medium Scale and Small Scale projects which are economically viable to be promoted to large mines can invite foreign investors to get Large Scale Production Permits with the approval of the Ministry.

Types of Permits

Types of Permits before Amendment

- Prospecting
- > Exploration
- Small Scale Production
- ➤ Large Scale Production
- Subsistence Production
- Integrated Permits

Types of Permits after Amendment

- ✓ Prospecting
- ✓ Exploration
- ✓ Small Scale Production
- ✓ Medium Scale Production
- ✓ Large Scale Production
- ✓ Subsistence Production
- ✓ Mineral Processing
- ✓ Mineral Trading
- ✓ Integrated Permits

Consideration for Issuing Permits Types

- Section 11 of Amendment of Myanmar Mines Law (2015) prescribes that the classification of size of mine as to large or medium or small shall be defined by the Ministry depending on;
 - Life of Mine project
 - Area covered by the mine Project
 - Amount of Capital invested
 - Machinery and Equipment used

Categories of Mining Permits (Amendment of Myanmar Mines Law 2015)

- 1. Prospecting Permits 1 yr + 1 yr
- 2. Exploration Permits 3 yr+ 1 yr + 1 yr
- 3. Feasibility Study 1 yr + 1 yr
- 4. Subsistence Mining Permit 1 yr
- 5. Mining Permit Small (Up to 10 yrs)
 - Medium (10 to 15 yrs)
 - Large (15 yrs to 50 yrs)
- 6. Mineral Processing Permit Small (5 to 10 yrs)
 - Medium (10 to 15 yrs)
 - Large (15 yrs to 50 yrs)
- 8. Mineral Trading Permit 3 yrs +++
- ❖ Funds required to conduct the prospecting, exploration and feasibility study was borne by the **investor 100% at his own risk.**

New opportunities for investors.

Taxes and Duties

- Dead Rent- to be paid at a specified rate on the land surface area occupied
- Royalty- to be paid on the proceeds of sale of mineral produced
- Production Sharing Ratio- to be paid depending on the terms and condition of the Production Sharing Contract.
- ❖ Corporate income Tax to be paid on the taxable income in accordance with the Tax Law

Dead Rent (Exploration Period)

Sr.	Туре	Prospecting period		Exploration Period					
	of Minerals	1 st Yr	2 nd Yr	1 st Yr	2 nd Yr	3 rd Yr	4 th Yr	5 th Yr	
1	Industrial Mineral (or) Stone	12,500	25,000	25,000	50,000	100,000	150,000	200,000	
2	Metallic Mineral	25,000	50,000	50,000	100,000	300,000	300,000	400,000	
3	Precious Metallic Mineral	50,000	100,000	100,000	200,000	400,000	600,000	800,000	

Remark

- 1. Kyats / Km² / Yr (1 USD is almost equal to 1350 Kyats)
- 2. Extension Period subject to the approval of the Ministry or the Department
- 3. Exchange rate subject to daily exchange rate.

Dead Rent (F.S, Developing and Production Period)

Sr.	Туре	Feasibility Study		De	Production		
	of Minerals	1 st Yr	2 nd Yr	1 st Yr	2 nd Yr	3 rd Yr	1-20 Yrs
1	Industrial Mineral (or) Stone	200,000	300,000	700,000	800,000	1,000,000	1,000,000
2	Metallic Mineral	600,000	6 00,000	1,350,000	1,575,000	1,800,000	2,250,000
3	Precious Metallic Mineral	800,000	800,000	1,800,000	2,100,000	2,400,000	3,000,000

Remark

- 1. Kyats / Km² / Yr (1 USD is almost equal to 1350 Kyats)
- 2. Extension Period subject to the approval of the Ministry or the Department
- 3. Exchange rate subject to daily exchange rate.

Royalty

> According to Amendment of Myanmar Mines Law (2015),

√	Gold, Platinum, Uranium	5 %
	(Precious metallic Minerals)	
✓	Silver, Copper, Tin, Tungsten,	4 %
✓	Nickel, Rare Earth, Titanium	
√	Iron, Zinc, Antimony,	3 %
√	Industrial Mineral, Stone	2 %

➤ Royalty is levied on value of mineral sold. It is a **sale based royalty** and not a **production based royalty**.

Production Sharing Contract (P.S.C) System

- ➤ MONREC conduct the production sharing contract (P.S.C) system for the mining industries.
- ➤ In production sharing types of agreement, the investor shall have to contribute **100% of investment** in which the government would expect get a share on the production.
- ➤ A production sharing contract will be signed along with agreed sharing ratio between the parties.

Incentive for Investors (Corporate income Tax and other taxes)

Section 51 of Myanmar Investment Rules (2017) states as follows;

- Without limitation of other rules, the permission in relation to a permit, or tax exemption or relief may be:
 - (a) granted in respect of a proposed or stipulated investment;
 - (b) granted in respect of types of investments;
 - (c) granted in accordance with the payment of a bond;
 - (d) granted for a specified duration; or
 - (e) granted in whole or in part.

The Investors in mining sector are eligible to apply tax exemptions or relief but firstly need to apply the Investment Permit at Myanmar Investment Commission.

Environmental and Social Sustainability Requirements

Legal Requirement for Environmental Protection and CSR

Myanmar Mines Law (1994)

- ✓ The mining permit holder must have to abide the the conditions contained in
 the permit
- ✓ The permit holder has fully responsible to rehabilitate the mine site during or after the mining operation (depend on the mine closure plan).

Myanmar Mines Rules (2018)

- ✓ The Mining permit holder shall allot the certain amount of revenue and deposit at the state owned bank as the environmental conservation fund.
- ✓ Moreover the mining permit holder shall separate allotment for each activities such as mine reclamation, mine closuring and social project.
- ✓ The permit holder has fully responsible to monitor the closed mine site at least five years or more and shall compensate expenses as necessary.

Legal Requirement for Environmental Protection and CSR

- Environmental Conservation Rules (2012)
 - ✓ Managing to cause the polluter to compensate for environmental impact,
 - ✓ cause to contribute fund by the organizations which obtain benefit from the natural environmental service system,
 - ✓ cause to contribute a part of the benefit from the businesses which explore, trade and use the natural resources in environmental conservation works
- National Environmental Quality (Emission) Guidelines (2015)
- ➤ EIA procedure (2015)

Other Obligation of Permit Holder

- Myanmar submitted first EITI Country Report to EITI Head Office in January 2016 and the second & third reports for 2014-15 & 2015-16 fiscal years also submitted in March 2018.
- Mining operations enlisted to be qualified for prescribed threshold amount of revenue will be subjected to EITI standards whereas other small mines are considered under different norms.

Expectation

Promote the utilization of Myanmar valuable mineral resources for the production to refined products through the contribution of foreign investment with advanced technologies.



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