

Division C – MINING AND QUARRYING OF STONE AND GRAVEL

Overview of the Division

This Division comprises establishments engaged in excavating and quarrying minerals, whether organic or inorganic, which have been naturally generated in solid, liquid or gaseous state, and those engaged in dressing and other upgrading treatment of these minerals.

Prospecting work in the exploration of minerals, such as geological surveys, geophysical prospecting, geo-chemical prospecting and test drilling, mine development work such as mine opening, drilling and earth removing and other work directly related to mining are included in this Division.

Establishments engaged in contracting for work such as prospecting, mine development or in-mine conveying of minerals are also included in this Division.

Establishments engaged in excavating sulfur ore to smelt sulfur, and those involved in producing pyrophyllite (agalmatolite) clay and potters' stone clay are included in this Division as well.

Relationship between “Mining and quarrying of stone and gravel” and other industries

- (1) Establishments engaged in smelting and refining to extract metal contained in ores are classified in the Division E – MANUFACTURING [23].
- (2) Establishments engaged in manufacturing coke and its by-products from coal are classified in the Division E –MANUFACTURING [1731], and those engaged in producing gas from coal and supplying it by pipes are in the Division F – ELECTRICITY, GAS, HEAT SUPPLY AND WATER [3411].
- (3) Establishments engaged in supplying natural gas by pipes in response to general demand are classified in the Division F – ELECTRICITY, GAS, HEAT SUPPLY AND WATER [3411].
- (4) Establishments engaged in refining oil are classified in the Division E – MANUFACTURING [1711].
- (5) Establishments engaged in crushing and pulverizing excavated rocks and stones are classified in the Division E – MANUFACTURING [2181, 2186], those engaged in cutting stones into given sizes are in the Division E – MANUFACTURING [2184], those engaged in carving, finishing and retailing monument stones or tombstones are in the Division I – WHOLESALE AND RETAIL TRADE [6099]. However, if these works are conducted at a quarry they are included in this Division.

Major group 05 – MINING AND QUARRYING OF STONE AND GRAVEL

Overview of the Major group

This Major comprises establishments engaged in excavating and quarrying minerals, whether organic or inorganic, which have been naturally generated in solid, liquid or gaseous state, and those engaged in dressing and other upgrading treatment of these minerals.

Prospecting work in the exploration of minerals, such as geological surveys, geophysical prospecting, geo-chemical prospecting and test drilling, mine development work such as mine opening, drilling and earth removing and other work directly related to mining are included in this Major group.

Establishments engaged in excavating a wide variety of minerals are classified according to the minerals that are the principal objectives of these activities.

Establishments engaged in excavating sulfur ore to smelt sulfur, and those involved in producing pyrophyllite clay and potters' stone clay are included in this Major group as well.

050 ESTABLISHMENTS ENGAGED IN ADMINISTRATIVE OR ANCILLARY ECONOMIC ACTIVITIES (05 MINING AND QUARRYING OF STONE AND GRAVEL)

0500 Head offices primarily engaged in managerial operations

This refers to the establishments, as the head offices primarily engaged in controlling establishments of mining and quarrying of stone and gravel, engaged in the operations except the work-site operations, for managing and controlling operations across the whole organization to promote the management of the own company Personnel affairs/personnel training, general affairs, financial affairs/accounting, legal affairs, intellectual property management, planning, public information/advertising, investigation/research and development, production/project management, real estate management, information system management, management of equipments and materials, buying/raw materials purchase, service/material procurement.

0509 Miscellaneous establishments engaged in administrative or ancillary economic activities

This refers to the establishments engaged in support operations of transportation, cleaning, repair/maintenance, preservation, to other

establishments belonging to the same enterprise to primarily promote activities in the mining and quarrying of stone and gravel.

051 METAL MINING

0511 Lode gold ore and silver ore mining

This class comprises establishments primarily engaged in excavating lode gold ores, silver ores or gold dust and establishments that dress these minerals (including cyaniding and grinding).

0512 Lead ore and zinc ore mining

This class comprises establishments primarily engaged in excavating or dressing lead ores, zinc ores, or lead and zinc ores.

0513 Iron ore mining

This class comprises establishments primarily engaged in excavating or dressing iron ores.

0519 Miscellaneous metal mining

This class comprises establishments primarily engaged in excavating or dressing metal ores that are not classified elsewhere.

052 COAL AND LIGNITE MINING

0521 Coal mining, including cleaning and grading

This class comprises establishments engaged in excavating smokeless coal, natural coke, bituminous coal, sub-bituminous coal, and brown coal (except lignite), and establishments that undertake coal dressing processes ancillary to these.

Establishments primarily engaged in grading or recovering coal from mining waste and coal dressing effluent are also included in this class.

0522 Lignite mining

This class comprises establishments engaged in excavating lignite, and establishments that undertake coal dressing processes ancillary to these.

053 CRUDE PETROLEUM AND NATURAL GAS PRODUCTION

0531 Crude petroleum production

This class comprises establishments primarily engaged in extracting crude oil.

0532 Natural gas production

This class comprises establishments primarily engaged in extracting natural gas and establishments that produce natural gasoline, liquefied petroleum gas (LPG) and compressed gas from natural gas excavated by themselves.

054 STONE QUARRYING, SAND AND GRAVEL PITS

0541 Granite and related rock and stone quarrying

This class comprises establishments primarily engaged in quarrying granite and related rock and stone.

0542 Liparite and related rock and stone quarrying

This class comprises establishments primarily engaged in quarrying liparite and related rock and stone.

0543 Andesite and related rock and stone quarrying

This class comprises establishments primarily engaged in quarrying andesite and related rock and stone.

0544 Marble quarrying

This class comprises establishments primarily engaged in quarrying marble.

0545 Tuff quarrying

This class comprises establishments primarily engaged in quarrying tuff.

0546 Sandstone quarrying

This class comprises establishments primarily engaged in quarrying sandstone.

0547 Slate quarrying

This class comprises establishments primarily engaged in quarrying slate.

0548 Sand, gravel and cobble-stone quarrying

This class comprises establishments primarily engaged in quarrying sand,

gravel, cobble stones, and others.

0549 Miscellaneous stone quarrying, sand and gravel pits

This class comprises establishments primarily engaged in quarrying peridotite, serpentinite, and other rocks and stones that are not classified elsewhere.

055 CERAMIC MINERAL MINING (MINERALS ONLY FOR REFRACTORY, POTTERY AND PORCELAIN, GLASS AND CEMENT MATERIALS)

0551 Fire clay mining

This class comprises establishments primarily engaged in excavating or dressing fire clay.

Establishments that excavate shale clay, *kibushi* clay, and *gairome* clay are also included in this Class.

0552 Pyrophyllite (agalmatolite) mining

This class comprises establishments primarily engaged in excavating or dressing pyrophyllite (including diaspore), as well as establishments that manufacture pyrophyllite clay.

0553 Dolomite mining

This class comprises establishments primarily engaged in excavating or dressing dolomite and establishments.

0554 Feldspar mining

This class comprises establishments primarily engaged in excavating or dressing feldspar, aplite, and weathered granite.

0555 Silica stone mining

This class comprises establishments primarily engaged in excavating or dressing white silica stone, ganister, and brick silica stone, as well as establishments that crush these minerals.

0556 Natural silica sand mining

This class comprises establishments primarily engaged in excavating, dressing or crushing natural silica sand.

0557 Limestone mining
This class comprises establishments primarily engaged in excavating or dressing limestone.

0559 Miscellaneous ceramic mineral mining
This class comprises establishments primarily engaged in excavating or dressing ores as raw materials for the ceramic industry that are not classified elsewhere.

059 MISCELLANEOUS MINERAL MINING

0591 Fuller's earth (Japanese acid clay) mining
This class comprises establishments primarily engaged in excavating or dressing Fuller's earth.

0592 Bentonite mining
This class comprises establishments primarily engaged in excavating or dressing bentonite.

0593 Diatomaceous earth mining
This class comprises establishments primarily engaged in excavating or dressing diatomaceous earth.

0594 Talc mining
This class comprises establishments primarily engaged in excavating, dressing, or crushing talc.

0599 Mineral mining, n.e.c.
This class comprises establishments primarily engaged in excavating, dressing or crushing minerals, rocks and stones that are not classified elsewhere.