



D. Kalansooriya
Chairman
KAHATAGAHA GRAPHITE LANKA LTD.

KAHATAGAHA GRAPHITE LANKA LIMITED

Sri Lanka is the only commercial producer of crystalline, lump, vein, natural graphite. Graphite is soft greasy to touch and iron black to steel grey in colour. It is opaque, inert, insoluble, tasteless and odourless.

The property of graphite such as stability at high temperatures, chemical inertness, non-toxicity and lubricity have made it an important raw material for modern industry. It is preferred for a number of industrial applications, because of its unique physical properties of grindability high purity carbon content and special characteristics of impurities.

The presence of graphite in Sri Lanka has been known since 1675. The mining processing and export of graphite continued since 1821. According to the eminent Geologist - Prof. Dung Ham, this island contains the largest known reserves of high quality natural graphite in the Commonwealth.

During the 19th century and 1st decade of the 20th century, it was a major item of exports as important as tea, rubber and coconuts. Both as an industry and as an item of export, graphite mining and trade occupied a pre eminent position in the economy of the country.

There are two major mines in Sri Lanka namely - Bogala mines and Kahatagaha/Kolongaha mines. Earlier Kahatagaha and Kolongaha mines were working as two mines and presently these two mines are amalgamated and work as a single mine.

The Kahatagaha/Kolongaha mine is situated in the North Western Province of Sri Lanka, at Maduragoda - Dodangaslanda in the Kurunegala District, approximately 90 km. from the capital, Colombo. It is 2,000 feet (610m) deep - which makes it the deepest mine in Sri Lanka - and accessed by two shafts: The one at Kahatagaha is 1,132 feet (345m), while the correspondent at Kolongaha goes to 330 feet (101m). The 'below shaft bottom' access is by a series of winches up to 2,000 feet (610m) Graphite, which is in fractured rocks as veins, are of an average thickness of circa 25 cm and are found in the East-West direction.

Kahatagaha mines are managed by Kahatagaha Graphite Lanka Limited (KGLL). It is a fully government owned public limited liability company under the Companies Act of No. 7 of 2007. The major share holder is the Secretary to the Treasury of Government of Sri Lanka (GOSL) and it is under the purview of the Ministry of Industrial Development of Sri Lanka.

KGLL is capable of mining high purity graphite over 99% carbon in fully crystallized form. It is found as needles, lumps, rossets, and flakes, enjoying monopoly of high carbon crystalline vein graphite with low ash content having a proven reputation as a unique product and KGLL has a highly skilled dedicated and co-operative work force.

Sri Lanka crystalline vein natural graphite has varied uses. It is used in the steel industry and in the manufacture of refractory bricks, crucibles, pencils, dry cell batteries, lubricants, carbon brushes and brake linings. Graphite rods are used in atomic re-actors to regulate un-control nuclear fissions that releases the energy in nuclear power plants.

Virtually, all the graphite run of mines are processed and exported to leading graphite buyers in U.S.A., Japan, Australia, Korea and India even China - for high tech products with whom it has established good business relationship over a long period of time.

The primary business objectives of the company are mining and processing of graphite mainly for exports. The other objectives of the company include prosperity for graphite for the development of graphite industry with graphite based products.

KGLL Vision is to be the most leading supplier of the high quality carbon natural vein graphite to the world.

The Company Mission is to earn foreign exchange to the country and fulfill the social obligation providing job opportunities to the society with optimum utilization of graphite mineral resource of the country.

After the present Government came into power in 2005, under the "MAHINDA CHINTHANA" policy of His Excellency Mahinda Rajapaksha, the President of Democratic Socialist Republic of Sri Lanka, special attention has been made to develop KGLL as a Public Enterprise.

Sri Lanka is the Unique Source of Crystalline Vein Natural Graphite over 99% high purity Carbon.

KAHATAGAHA MINE

is and will be the Unique Producer of Crystalline Vein Natural Graphite.

OUR UNIQUENESS

- High purity Carbon over 99% with low ash content
- Nearly 95% of the Run of Mines (ROM) above 90% Carbon
- Needles, Lumps, Rossets and Flakes
- Well established and developed Mines
- Deepest high Carbon Grade occurrence active level of 2000 feet below surface
- Substantially more high Carbon Graphite to be expected below 2000 feet
- Availability of proven ore-reserves of the large mineralized area
- Vein type fully Crystallized form
- Naturally occurring rich Veins
- Well determined Carbon percentage and particle size
- Wealth of traditional mining know-how guided by modern techniques and the methods
- Dedicated, highly skilled, experienced and co-operative workforce

KAHATAGAHA MINE is managed by KAHATAGAHA GRAPHITE LANKA LIMITED which is a fully Government Owned Company and its main exporters are USA, JAPAN, AUSTRALIA, KOREA, INDIA AND PAKISTAN.



Industrial uses of Sri Lanka Graphite

Lubricant
Electrical Engineering Application
Dry Cell Batteries
Refractories
Pencils
Varnishes & Paints
Nuclear Graphite
Bearings
Motor Brushes
Gaskets
Rocket Nose Cones
Steel Industry



The Grades

KL +99%C	KL	95-97%C
KHL97-99%C	KL	92-95%C
KBL 97-99%C	KC	90-92%C
KL 97-99%C	FLAKE	90-95%C

Standard Particle Sizes

+10mm	:	Lumps
1.7-5mm	:	Bold Chips
0.5-1.7mm	:	Fine Chips
-0.5	:	Chippy Dust
-10+60mesh	:	Flakes
-40+100 mesh	:	Flake Type Powder
-200 mesh	:	Powder
-325 mesh	:	Fine Powder



KAHATAGAHA GRAPHITE LANKA LIMITED

(Fully Government Owned Company)

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Ash Composition of +99%C Graphite

SiO ₂	49.30%	Al ₂ O ₃	0.74%
FeO	47.57%	K ₂ O	0.31%
MgO	0.69%	Na ₂ O	0.14%
CaO	0.93%	CuO	0.12%