

# **DIRECTORY OF MINERAL-BASED INDUSTRIES IN MALAYSIA 2017**

DEPARTMENT OF MINERAL AND GEOSCIENCE MALAYSIA  
MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT





DISCHARGE POINT





# DIRECTORY OF MINERAL-BASED INDUSTRIES IN MALAYSIA 2017

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# PREFACE

This publication on *Directory of Mineral-Based Industries in Malaysia 2017* is the continuation of the previous publication series, which provides comprehensive appraisal on the year's performance of the selected major mineral-based products manufactured in the country. The mineral-based industries reviewed were broadly classified into non-metallic or industrial mineral-based industries and selected metallic mineral-based industries.

During the year, the overall production values of selected manufactured mineral-based products recorded an increment supported by the demand from construction and manufacturing sectors. Likewise, Malaysia's foreign trade of manufactured mineral-based products demonstrated a recovery after a downturn in the previous year.

The reviews contained in this publication are a culmination of statistics obtained from surveys carried out by the Department of Mineral and Geoscience State Offices, and information compiled from published reports and various sources concerning market scenarios, production, developments and manufactured products traded. Persisting poor responses from some of the industrial players continued to be a hindrance to producing an accurate review of the industries performance.

The department is grateful to the mineral industries and related organisations for the cooperation and support in the preparation of this publication. I sincerely hope that this publication will give a much better perspective of Malaysia's mineral-based industries. I also welcome any criticism and suggestion that may improve the publication of the directory.



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# LIST OF ABBREVIATIONS

<b>ALCOM</b>	Aluminium Company of Malaysia Berhad	<b>UAE</b>	United Arab Emirates
<b>ASEAN</b>	Association of Southeast Asian Nations	<b>UK</b>	United Kingdom
<b>BNM</b>	Bank Negara Malaysia	<b>USA</b>	United States of America
<b>CVD</b>	Chemical Vapour Deposition	<b>USD</b>	United States Dollar
<b>DOSM</b>	Department of Statistics Malaysia	<b>Bgn.</b>	Bangunan (Building)
<b>DDI</b>	Domestic Direct Investment	<b>Bkt.</b>	Bukit (Hill)
<b>E&amp;E</b>	Electrical and Electronics	<b>Bhd.</b>	Berhad (Limited)
<b>EU</b>	European Union	<b>Bt.</b>	Batu (Mile)
<b>FTA</b>	Free Trade Agreement	<b>Co.</b>	Company
<b>FMM</b>	Federation of Malaysian Manufacturers	<b>Const.</b>	Construction
<b>GCC</b>	Ground Calcium Carbonate	<b>Corp.</b>	Corporation
<b>GDP</b>	Gross Domestic Product	<b>d/a</b>	di alamat (care of)
<b>HPA</b>	High Purity Alumina	<b>Ent.</b>	Enterprise
<b>IBS</b>	Industrialised Building Systems	<b>G.</b>	Gunung (Mountain)
<b>KLTM</b>	Kuala Lumpur Tin Market	<b>Ind./Inds.</b>	Industry/Industries
<b>LCD</b>	Liquid Crystal Display	<b>Jln.</b>	Jalan (Road)
<b>LME</b>	London Metal Exchange	<b>K.</b>	Kuala (Estuary)
<b>LNG</b>	Liquefied Natural Gas	<b>K.L</b>	Kuala Lumpur
<b>MIDA</b>	Malaysia Investment Development Authority	<b>Kaw.</b>	Kawasan (Area)
<b>MISIF</b>	Malaysian Iron and Steel Industry Federation	<b>Mkm.</b>	Mukim
<b>MITI</b>	Ministry of International Trade and Industry	<b>NA</b>	Not Available
<b>MOF</b>	Ministry of Finance	<b>n.e.c</b>	not elsewhere classified
<b>MSC</b>	Malaysia Smelting Corporation Berhad	<b>p</b>	preliminary
<b>MSG</b>	Malaysian Sheet Glass Berhad	<b>P.</b>	Pulau
<b>OPC</b>	Ordinary Portland Cement	<b>RM</b>	Ringgit Malaysia
<b>PCC</b>	Precipitated Calcium Carbonate	<b>Sdn. Bhd.</b>	Sendirian Berhad (Private Limited)
<b>ROK</b>	Republic of Korea	<b>Sg.</b>	Sungai (River)
<b>PDR</b>	People Democratic Republic	<b>Tmn.</b>	Taman
<b>WP</b>	Wilayah Persekutuan (Federal Territory)	<b>Trd.</b>	Trading



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5. Malaysian Industrial Development Authority
6. Malaysian Iron and Steel Industry Federation
7. Ministry of International Trade and Industry Malaysia
8. Federation of Malaysian Manufacturers









# INTRODUCTION

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# INTRODUCTION

This annual publication entitled Directory of Mineral-Based Industries in Malaysia 2017 is aimed to provide an appraisal on the performance of the country's selected mineral-based industries. The mineral-based industries reviewed in this publication are broadly classified into two categories, namely the non-metallic sector and metallic mineral-based sector. The non-metallic mineral-based industry is further classified into seven sub-categories, namely the ceramic industry, glass industry, cement and concrete industries, lime and limestone powder industries, dimension stone industry, bleaching earth industry and other non-metallic mineral-based products. Meanwhile, the major metallic mineral-based industry includes four sub-categories, namely iron and steel industry, aluminium-based industry, tin-based industry and copper-based industry.

Statistical data for this review were mainly compiled from the survey carried out by the Department of Mineral and Geoscience Malaysia (JMG) State Offices through questionnaires distribution. Nevertheless, the statistical data provided may not represent the actual performance of the sectors due to poor response from some of the industry players. Thus, information was also complemented by other sources from governmental agencies, product reviews, company reports as well as communications with manufacturers associations. Major sources of agencies were the Department of Statistics Malaysia (DOSM), Malaysian Investment Development Authority (MIDA), Malaysian Iron and Steel Industry Federation (MISIF), Federation of Malaysian Manufacturer (FMM) and Malaysia Smelting Corporation Berhad (MSC).





**MINERAL BASED INDUSTRIES**  
**IN MALAYSIAN ECONOMY 2017**



## MINERAL BASED INDUSTRIES IN MALAYSIAN ECONOMY 2017

The Malaysian economy performed strongly in 2017, registering a growth of 5.9% (2016: 4.2%). Growth was anchored by domestic demand, reflecting faster expansion in both private and public sector spending. Similar to the region, Malaysia benefited from the broad-based global recovery, with gross exports increasing at its fastest pace since 2004. The materialisation of positive spill overs from the external sector further reinforced domestic demand.

Although real GDP growth was lifted by the external demand, domestic demand continued to anchor growth in 2017, underpinned by strong fundamentals, better labour market conditions and improving sentiments. Positive spill overs from the

external sector to domestic demand began to materialise in the first half of 2017. The stronger external demand benefited private investment in particular, as firms in both export- and domestic-oriented industries embarked upon capacity expansions, including replacement and acquisitions of machinery and equipment to meet the higher demand. These developments directly benefited the labour market with faster employment and wage growth. These factors, together with Government measures to increase disposable income, further raised household spending. Public sector expenditure remained supportive of growth, as spending was prioritised towards critical infrastructure and essential public services (Table 1) (Annual Report BNM, 2017).

**Table1: Gross Domestic Product by kind of economic activity at constant 2010 prices, 2015-2017**

	2015	2016	2017 <sup>P</sup>
	RM million		
Agriculture	94,249	89,465	95,894
Mining and quarrying	95,508	97,563	98,596
Manufacturing	243,903	254,725	269,966
Construction	46,630	50,103	53,443
Services	569,258	601,341	638,752
Plus: Import duties	13,808	15,030	16,981
<b>Real GDP at purchasers' prices<sup>1</sup></b>	<b>1,063,355</b>	<b>1,108,227</b>	<b>1,173,632</b>
	Annual change (%)		
Agriculture	1.3	-5.1	7.2
Mining and quarrying	5.3	2.2	1.1
Manufacturing	4.9	4.4	6.0
Construction	8.2	7.4	6.7
Services	5.1	5.6	6.2
Plus: Import duties	18.6	8.8	13.0
<b>Real GDP at purchasers' prices</b>	<b>5.0</b>	<b>4.2</b>	<b>5.9</b>

Note: <sup>1</sup> Numbers may not necessarily add up due to rounding

<sup>P</sup> preliminary

Source: Annual Report BNM, 2017

The manufacturing sector expanded further by 6.0% in 2017 (2016: 4.4%), driven by higher growth in the domestic-oriented industries, and continued expansion in the export-oriented industries. In the domestic-oriented industries, production of both commercial and consumer transport equipment turned around, reversing a decline in the output of motor vehicles in the previous year. Growth in the domestic-oriented industries was further supported by stable demand for food-related products and construction-related materials. Growth in the export-oriented industries was in tandem with the broad-based recovery in global demand, which supported the increased production of E&E and resource-based products such as palm oil-related and petroleum-related products (Annual Report BNM, 2017).

Mineral-based products are significant contributors for other economic activities particularly in manufacturing, construction and agriculture sectors. More than half of the mineral-based products produced are construction-related materials such as cements, bricks, roofing/floor/wall tiles, flat glass, clay pipes, dimension stones, steel gates, metal cables, metal windows frames, etc.

Demand for the mineral-based industry remains strong in 2017 amidst improved market conditions which was mainly supported by growth in manufacturing and construction sectors in Malaysia. During the year, mineral-based industries continued to be challenging due to global overcapacity, intense competition, declining market prices

of some products and rising energy costs due to increases in energy tariffs.

The overall production value of selected manufactured mineral-based products in 2017 recorded a further increase of 7.6% to RM75.56 billion compared with RM70.21 billion in the previous year. The metallic mineral-based products increased by 10.4% to RM49.84 billion (2016: RM45.15 billion); while the non-metallic mineral-based products increased slightly by 2.7% to RM25.73 billion (2016: RM25.06 billion). Share of the total

output value of manufacturing of the metallic mineral-based and non-metallic products was 66% and 34% respectively (Table 2) (Monthly Manufacturing Statistics, January 2017, DOSM).

According to the MOF, value added of the manufacturing sector expanded further by 5.8% during the first half of 2017 (January - June 2016: 4.4%) with expansion across a wide range of outputs in both the export- and domestic-oriented industries. During the first eight months, production increased

6.4%, while sales rebounded significantly by 15.6% to RM500.2 billion (January-August 2016: 4%; -0.7%; RM432.8 billion). Output of export-oriented industries rose 6.5% (January-August 2016: 4.3%) led by an upturn in global electronics cycle and further enhanced by strong demand for resource-based products. Meanwhile, domestic-oriented industries expanded 6.2% (January-August 2016: 3.4%) benefiting from vibrant consumption and construction activities. Within the domestic-oriented industries, output of construction-related

materials recorded a sustained growth of 4.8% (January-August 2016: 4.8%). Growth was led by higher production of basic metal (4.2%), particularly basic iron and steel which rebounded 6.2% (January-August 2016: 1.9%; -1.4%). Likewise, both non-metallic mineral and fabricated metal products grew 5.4% and 4.6% respectively (January-August 2016: 6.3%; 5.6%) supported by increased demand for fabricated construction materials and concrete, cement and plaster following vibrant construction activities. (Economic Performance and Prospect MOF, 2017/2018).



**Table 2: The sales value of own manufactured products of selected mineral-based products, 2015-2017**

INDUSTRY (Industry code)	RM million			% change year 2016 to 2017
	2015	2016	2017 <sup>p</sup>	
<b>Manufacture of non-metallic mineral-based products</b>				
Manufacture of flat glass, including wired, coloured or tinted flat glass; manufacture of other glass products (23101, 23109)	3,586.25	4,509.01	5,062.03	12.3
Manufacture of other porcelain and ceramic products (23930)	452.36	437.38	527.67	20.6
Manufacture of refractory mortars and concretes; manufacture of non-refractory ceramic (23911, 23921)	2,173.45	1,884.08	2,216.02	17.6
Manufacture of hydraulic cement (23941)	6,333.68	6,426.83	6,146.58	-4.4
Manufacture of ready-mix and dry-mix concrete and mortars (23951)	3,163.84	3,236.77	2,912.68	-10.0
Manufacture of precast concrete, cement or artificial stone articles for use in construction; Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone; Manufacture of other articles of concrete, cement and plaster (23952, 23953, 23959)	2,196.50	2,605.31	3,268.45	25.5
Manufacture of other non-metallic mineral products (23990)	1,531.50	1,594.88	1,594.97	0.0
Manufacture of fertilizers; Manufacture of associated nitrogen products (20121, 20129)	4,805.55	4,364.45	4,000.50	-8.3
<b>Subtotal</b>	<b>24,243.13</b>	<b>25,058.71</b>	<b>25,728.90</b>	<b>2.7</b>
<b>Manufacture of metallic mineral-based products</b>				
Production of pig iron and spiegeleisen in pigs, blocks or other primary forms; Production of bars and rods of stainless steel or other alloy steel; Manufacture of seamless tubes, by hot rolling, hot extrusion or hot drawing, or by cold drawing or cold rolling; Manufacture of other basic iron and steel products (24101, 24102, 24103, 24109)	21,501.04	21,249.70	21,990.60	3.5

Production of aluminium from alumina and other basic precious and other non-ferrous metal n.e.c (24202, 24209)	8,668.36	10,355.37	13,492.38	30.3
Manufacture of metal doors, windows and their frames, shutters and gates; manufacture of other structural metal products (25113, 25119)	2,244.86	2,934.58	3,703.42	26.2
Manufacture of tanks, reservoirs and containers of metal (25120)	1,055.24	1,395.43	1,259.64	-9.7
Manufacture of tins and cans for food products, collapsible tubes and boxes (25991)	1,952.18	2,152.96	2,461.61	14.3
Manufacture of metal cable, plaited bands and similar articles; manufacture of bolts, screws, nuts and similar threaded products (25992, 25993)	3,482.08	3,353.78	3,401.30	1.4
Manufacture of metal household articles (25994)	881.21	698.23	568.09	-18.6
Manufacture of any other fabricated metal products (25999)	2,932.91	3,008.79	2,958.35	-1.7
<b>Subtotal</b>	<b>42,717.88</b>	<b>45,148.84</b>	<b>49,835.39</b>	<b>10.4</b>
<b>TOTAL</b>	<b>66,961.01</b>	<b>70,207.55</b>	<b>75,564.29</b>	<b>7.6</b>

Source: Monthly Manufacturing Statistics DOSM, 2017

**Table 3: Selected Malaysia's Manufacturing Production Index, 2016-2017**

Indicator	Change (%)		Share to total (%)	
	2016	2017	2016	2017
Manufacturing Production Index, January - August (2010=100)				
• Non-metallic minerals and other related products	6.3	5.4	4.3	4.3
• Fabricated metal products	5.6	4.6	4.2	4.1
• Basic metals	1.9	4.2	3.3	3.2
<b>Manufacturing Output: Construction-related Material January - August (2010=100)</b>				
<b>Total construction-related materials</b>	<b>4.8</b>	<b>4.8</b>	<b>11.7</b>	<b>11.6</b>
Of which:				
• Glass and glass products	19.9	7.2	0.9	0.9
• Non-metallic minerals products n.e.c	3.2	5.0	3.4	3.4
• Structural metal products, tanks, reservoirs and steam generators	5.5	3.0	1.5	1.4
• Other fabricated metal products, metal working service activities	5.7	5.4	2.7	2.7

• Basic iron and steel	-1.4	6.2	2.1	2.1
• Basic precious and other non-ferrous metals	9.0	0.3	1.1	1.1

Note: Total may not add up due to rounding

Source: Economic Performance and Prospect MOF, 2017/2018



Malaysia's trade registered a stellar performance in 2017, growing at the highest rate in 13 years. Trade surged by 19.4% to RM1.774 trillion, compared to RM1.486 trillion recorded in the previous year. Exports grew significantly by 18.9% to RM935.39 billion while imports also recorded the highest value expanding by 19.9% to RM838.14 billion. Trade surplus widened by 10.3% to RM97.25 billion, the largest surplus registered since 2012.

This remarkable trade performance was contributed by higher trade with ASEAN, which expanded by 21% or RM84.49 billion, China (20.6% or RM49.68 billion), European Union (EU) (17.5% or RM26.05 billion), United States of America (USA) (16.3% or RM22.12 billion), Japan (14.7% or RM17.77 billion), Taiwan (24.3% or RM15.33 billion), India (26.2% or RM12.74 billion), Hong Kong (22.7% or RM11.41 billion) and Australia (23.7% or RM10.06 billion). Significant increases in trade were also recorded with Republic of Korea (ROK), Turkey, United Arab Emirates (UAE), New Zealand, Iran, South Africa, Mexico, Bangladesh, Iraq and Brazil (Malaysia External Trade Statistics, 2018).

The country's total exports in 2017 as reported by MITI grew significantly by 18.9% to RM935.39 billion from RM785.93 billion in the previous year. Among major highlights on exports in 2017 were double digit year over year growth recorded for every single month

of the year, except for June and December; all sectors recorded strong expansion with double digit growth, double digit year over year growth for electrical and electronics (E&E) exports except for December, driven by strong global demand for smart electronics; sharp rebound in export growth of major commodities as world prices improved; exports to almost all major markets recorded a new high; higher exports to ASEAN with growth recorded to all markets except for Lao PDR; increased exports to Free Trade Agreement (FTA) partners particularly to ASEAN, China, Japan, ROK, Australia, Turkey, India, New Zealand, Pakistan and Chile; robust export growth to advanced countries, in particular, USA and EU notably Netherlands and Germany and greater demand from emerging markets such as Mexico, Brazil and South Africa.

Exports of manufactured goods increased by 18.9% to RM767.64 billion from RM645.67 billion in the previous year and accounted for 82.1% of total exports. In 2017, E&E products remained as largest exports, accounting for 36.7% of Malaysia's total exports. Exports of E&E products increase by 19.2% to RM343 billion from RM287.72 billion. Top five markets which registered significant increase in exports of E&E products were Singapore, China, Hong Kong, Japan and Netherlands. Among other manufactured products that contributed to the growth in exports for 2017 were petroleum products, chemicals and chemical products, rubber products, iron and

steel products, manufactures of metal and optical, scientific equipment and transport equipment.

ASEAN remained a key trading partner for Malaysia taking up 27.5% of Malaysia's total trade in 2017. Exports to ASEAN increased by 18% to RM272.79 billion from RM230.93 billion with share of Malaysia's total exports to the ASEAN expanded from 28.2% in 2016 to 29.2% in year 2017.

China continued to be Malaysia's largest trading partner for the 9<sup>th</sup> consecutive year since 2009. Exports to China increased by 28% to RM126.15 billion from RM98.56 billion attributable to higher exports for E&E products, petroleum products, rubber products, liquefied natural gas (LNG), chemicals and chemical products, optical and scientific equipment, manufactures of metal as well as natural rubber. Other Malaysia major export destinations which registered over RM20 billion include Singapore, USA, Japan, Hong Kong, Thailand, ROK, Viet Nam, India and Netherlands.

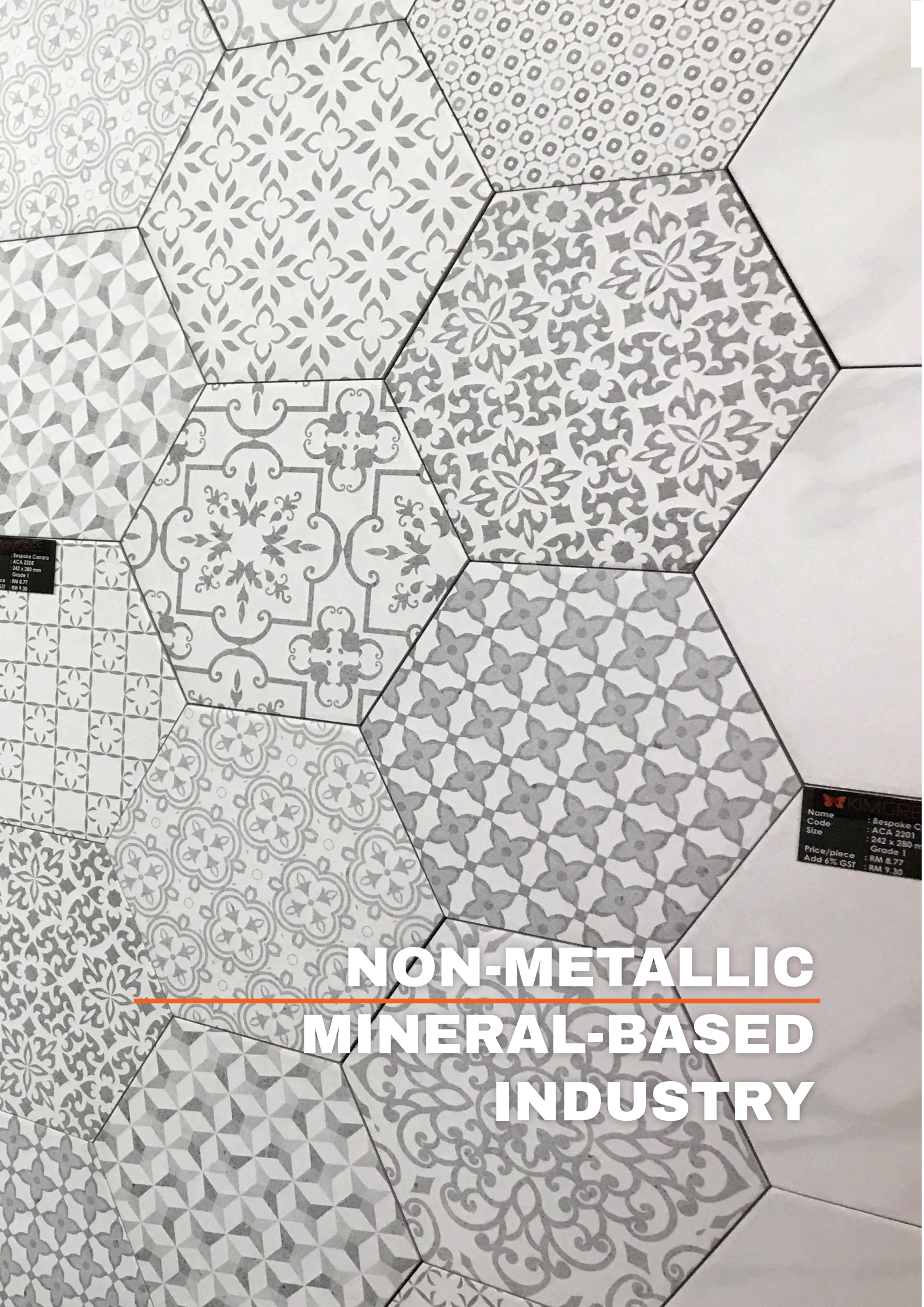
In 2017, imports increased by 19.9% to RM838.14 billion from RM 698.66 billion in the previous year, driven by higher imports of intermediate and capital goods. Imports of manufactured goods, accounted for 87.2% of Malaysia's total imports with major imports include E&E products, chemicals and chemical products and machinery, equipment and parts. Meanwhile imports of mining goods accounted for 5.3% of Malaysia's total imports with major include crude petroleum, metalliferous ores and metal scrap.

Import from ASEAN countries increased by 25.0% to RM214.63 billion from RM171.73 billion or 25.6% share to Malaysia's total imports. Imports from the EU accounted for 9.5% share, with a value of RM79.78 billion. Meanwhile, China remained Malaysia's largest import source since 2011 followed by, Singapore, USA, Japan and Taiwan. These countries represented 53.1% of total imports.

Malaysia's total trade of mineral-based products experienced a recovery from RM85.83 billion in 2016 to RM97.70 billion in 2017. Total exports value for mineral-based products increased significantly by 24.4% to RM37.95 billion from RM30.50 billion in 2016. Whilst, total imports value for mineral-based products increased by 8.0% to RM59.74 billion from RM55.33 billion in the previous year.

Exports of metallic mineral-based products increased substantially by 27.4% to RM34.70 billion from RM27.23 billion in 2016 while imports also increased by 10.3% to RM56.25 billion from RM50.99 billion. Meanwhile, exports of non-metallic mineral-based products recorded further decrease in 2017 by 0.5% to RM3.25 billion from RM3.26 billion in the previous year. Similarly, imports of non-metallic mineral-based products showed a significant decline of 19.5% to RM3.50 billion from RM4.35 billion in 2016. Malaysia's major export market of mineral-based products included India, China, Turkey, Japan and ROK while the major import sources were from China, Japan, India, ROK and Australia.





Bespoke Carrara  
ACA 2201  
242 x 280 mm  
Grade 1  
RM 8.77  
Add 6% GST : RM 9.30

**KIMBRE**  
Name : Bespoke C  
Code : ACA 2201  
Size : 242 x 280 m  
Grade 1  
Price/piece : RM 8.77  
Add 6% GST : RM 9.30

# NON-METALLIC MINERAL-BASED INDUSTRY



## 3.0

# NON-METALLIC MINERAL-BASED INDUSTRY SECTOR

The non-metallic mineral-based industry is reviewed according to their sub-categories which include:

- i. Ceramic industry
- ii. Glass industry
- iii. Cement and concrete industries
- iv. Lime and limestone powder industries
- v. Dimension stone industry
- vi. Bleaching earth industry
- vii. Other non-metallic mineral-based products

The total sales value of own manufactured of selected non-metallic mineral-based products in 2017 was RM25.73 billion, rose 2.7% from RM25.06 billion in 2016. Five from eight sub-sectors of the non-metallic mineral-based industries have shown positive growth. Five largest contributors of the non-metallic mineral-based industries were dominated by manufacture of hydraulic cement decreased 4.4% from RM6.43 billion to RM6.15 billion; manufacture of flat glass including wired, coloured or tinted flat glass and manufacture of other glass products increased 12.3% from RM4.51 billion to RM5.06 billion; manufacture of fertilizer and associated nitrogen products decreased 8.3% from RM4.36 billion to RM4.00 billion; manufacture of precast concrete, cement or artificial stone articles for use in construction, manufacture of prefabricated structural components for building or civil

engineering of cement, concrete or artificial stone, manufacture of other articles of concrete, cement and plaster increased 25.5% from RM2.61 billion to RM3.27 billion and manufacture of ready-mix and dry-mix concrete and mortars decreased 10.0% from RM3.24 billion to RM2.91 billion (Table 2) (Monthly Manufacturing Statistics DOSM, 2017).

MIDA classified the non-metallic mineral products industry include high purity alumina (HPA), ceramics and clay-based products, cement and concrete products, glass products, Industrialised Building System (IBS) components and other non-metallic mineral products such as quicklime, barytes, marble and granite. In 2017, total investments approved for 45 non-metallic mineral projects were RM7.6 billion which twice the total investments of RM3.0 billion in 2016. Of these, 25 were new projects valued at RM2.1 billion in investments while the remaining 20 were expansion / diversification projects worth to RM5.5 billion. Domestic investments contributed RM3.5 billion (46.8%) while foreign investments formed slightly more than half of total investment at RM4.1 billion (53.2%). Domestic Direct Investment (DDI) is more than triple 2016's figure of RM1.1 billion with share of total investments increasingly by 10.9%. Of the above projects and investments, 21 were for cement and concrete products, 12 projects

were for IBS components, six were for other non-metallic products, four projects were for glass products, and the other two were investments into manufacturing ceramic

and other clay-based products (Figure 1) (Malaysia Investment Performance Report 2017, MIDA).

Some of the data and figures presented here

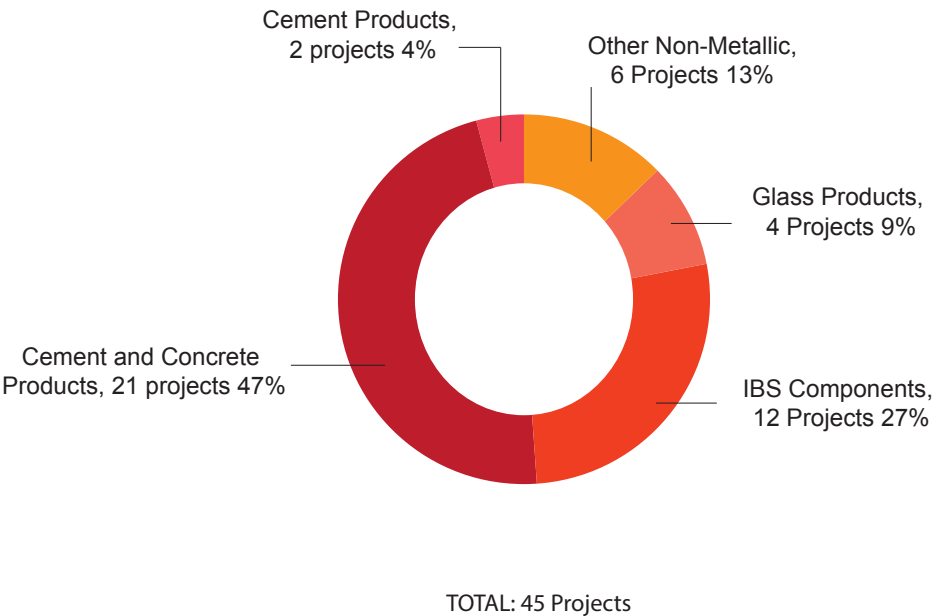


Figure 1

Source: Malaysia Investment Performance Report 2017, MIDA

Figure 1: Approved investment projects in the non-metallic mineral products industry by sub-sector in 2017

may not be equivalent with those published by the related agencies as these were collected and compiled from surveys conducted by the JMG. Types of industrial mineral-based

industries and number of establishments are shown in Table 4.

**Table 4: Product components of industrial mineral-based industries and**

## number of establishments by states, 2017

Products Group	Product Component	Number of Establishments														
		Selangor	WP Kuala Lumpur	Perak	Kedah	Perlis	Pulau Pinang	Kelantan	Terengganu	Pahang	Johor	Negeri Sembilan	Melaka	Sarawak	Sabah	Total
Structural clay products	Clay bricks	11	-	8	4	-	2	10	4	8	27	7	1	36	8	126
	Clay pipes/sewage pipes/drain tiles	1	-	13	-	-	-	-	-	-	3	-	-	-	-	17
	Wall, floor, mosaic & terracotta tiles	2	-	-	-	-	-	-	-	-	5	2	-	1	-	10
	Clay roofing tiles	-	-	-	-	-	-	*1	-	-	2	-	-	1	-	4
	Refractory bricks	*1	-	2	-	-	-	-	-	-	-	-	-	-	-	3
Household ceramics products	Ceramic tableware/porcelain	3	-	4	1	-	-	-	-	-	2	-	-	1	-	11
	Sanitaryware	1	-	1	-	-	-	-	-	-	2	-	-	1		5
Pottery products	Flower pot	-	-	25	-	-	-	-	-	-	-	-	-	1	2	28
	Cooking pot	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4
	Stove	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3
	Decorativeware	9	-	117	-	-	-	2	-	1	4	-	-	4	2	139
	Others	-	-	2		-	-	-	-	-	-	-	-	-	-	2
Advanced ceramic component	Electronic component products	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
	Ceramic powder	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Ceramic fibre/ceramic insulators	1	-	-	-	-	-	-	-	-	1	-	-	-	-	2
Formers	Ceramic former	3	-	-	-	-	-	-	-	-	-	1	-	-	-	4
Construction related glass products	Flat glass	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Advanced and specialty glass products	Optical & pharmaceutical glass	-	-	-	-	-	1	-	-	-	-	-	1	-	-	2

Source: JMG



**Table 4: Product components of industrial mineral-based industries and number of establishments by states, 2017 (cont.)**

Products Group	Product Component	Number of Establishments														
		Selangor	WP Kuala Lumpur	Perak	Kedah	Perlis	Pulau Pinang	Kelantan	Terengganu	Pahang	Johor	Negeri Sembilan	Melaka	Sarawak	Sabah	Total
Industrial glass products	Fibreglass & fibreglass products	*1	-	2	-	-	2	-	-	-	-	-	-	-	-	5
	Glass tubes	*1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Cullet	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Household glass products	Glass tableware	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
	Glass bottles & containers	1	-	-	-	-	-	-	-	-	1	-	-	-	-	2
	Microwave oven turntable	*1	-	-	-	-	-	-	-	-	-	-	-	-	-	*1
Cement	Cement	2	-	5	1	1	-	-	-	1	3	1	-	3	1	18
	Clinker	1	-	5	1	1	-	-	-	1	-	1	-	1	-	11
Lime	Quicklime	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3
	Hydrated lime	1	-	2	-	-	-	-	-	-	-	-	-	1	-	4
	Quicklime/hydrated lime	2	-	3	1	-	-	-	1	-	-	-	-	-	-	7
Limestone powder	PCC/GCC	-	-	27	1	-	-	-	1	-	-	-	-	2	2	33
	Dolomite powder	-	-	4	-	4	-	-	-	-	-	-	-	-	-	8
Dimension stone	Granite/marble slabs	1	-	10	-	-	-	-	1	-	1	-	1	-	-	14
	Marble slabs & furniture	-	-	3	-	-	-	1	-	-	-	-	-	-	-	4
	Terrazzo/terrazzo chips	-	1	9	-	-	-	-	-	-	-	-	-	-	-	10
Bleaching earth/Activated clay	Bleaching earth	2	-	1	-	-	-	-	-	-	1	-	-	-	1	5
Other industrial mineral-based products	Sodium silicate	-	-	-	-	-	-	-	-	1	2	-	-	-	-	3
	Rockwool	1	-	-	-	-	-	-	-	-	-	-	1	-	-	2
	Titanium dioxide	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
	Pyrophyllite	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Acetylene	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Calcium carbide	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Vinyl flooring	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
	Zirconium silicate	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
	Refractory mortar	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
	Cement fibre	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
	Calcium silicate brick	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Clay powder	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL		47	1	262	9	7	5	14	8	12	56	14	5	52	16	508

Note: \* same manufacturer

Source: JMG

## 3.1

## CERAMIC INDUSTRY

## MALAYSIAN CERAMIC INDUSTRY REVIEW

Demand for Malaysian ceramic industry was primarily driven by the growing infrastructure and construction industries. Ceramic industry for the year 2017 still witnessed a robust performance in line with moderate growth of construction sector by 7.4% attributable to expanding growth of its sub-sectors such as civil engineering activities, residential and non-residential, by 13.7%, 4.7% and 4.9% respectively.

The ceramic industry comprises a variety of products ranging from low-grade items

such as brick and stove/flower pot to high technologically produced items such as advanced ceramic materials. The products are categorised into five groups:

- i. Structural clay products
- ii. Household ceramics
- iii. Pottery products
- iv. Advanced ceramic components
- v. Formers

Performance of Malaysian ceramic industry in year 2017 registered an increase of 8.7% in production value from RM2.85 billion in 2016 to RM3.10 billion (Figure 2 and Table 5).

**Figure 2: Production value of ceramic product groups, 2015 - 2017**

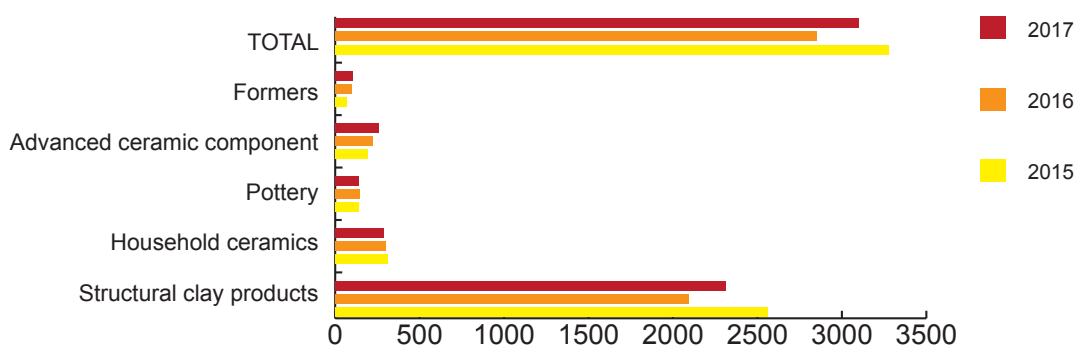


Figure 2

Table 5: Production value of ceramic product components, 2015-2017

Products Group	Product Component	2015	2016	2017
		RM million		
Structural clay products	Clay brick	582.24	554.83	451.09
	Clay pipes/ sewage pipes/ drain tiles	68.02	81.70	122.89
	Wall, floor, mosaic & terracotta tiles	1,709.79	1,436.69	1,382.61
	Clay roofing tiles	156.73	283.35	317.72
	Refractory bricks	45.09	48.66	36.44
	<b>Subtotal</b>	2,561.88	2,094.44	2,310.74
Household ceramic products	Ceramic tableware/ porcelain	96.77	84.48	96.20
	Sanitaryware	213.01	211.85	191.93
	<b>Subtotal</b>	309.78	296.32	288.12
Pottery products	Flower pot/ decorative ware	137.19	141.98	138.82
	Cooking pot/stove	0.40	0.43	0.43
	Others	0.50	0.01	0.01
	<b>Subtotal</b>	138.08	142.42	139.25
Advanced ceramic components	Electronic component products	167.39	178.19	214.79
	Ceramic fibre/ ceramic insulators	14.18	27.59	30.81
	Ceramic powder	13.50	17.28	9.00
	<b>Subtotal</b>	195.07	223.06	254.60
Formers	Ceramic formers	70.05	95.27	106.21
	<b>Subtotal</b>	70.05	95.27	106.21
<b>Total</b>		<b>3,274.86</b>	<b>2,851.52</b>	<b>3,098.93</b>

Source: JMG



Tiles including wall, floor, mosaic and terracotta contributed the highest value of 44.6% of the overall total production value of ceramic industry despite registering a decline of 3.8% in its production value amounting RM1.38 billion from RM1.44 billion of the previous year. Clay bricks followed by clay roofing tile, electronic component products and sanitaryware contributed the next highest production values in the Malaysian ceramic industry.

In 2017, E&E products remained as the largest exports of manufactured goods, accounting for 36.7% of Malaysia's total exports. Exports of E&E products amounted to RM343 billion expanding by 19.2% or RM55.19 billion. The advanced ceramic products were one of the contributors to the

manufacturing of the E&E products such as electronic integrated circuit, computers and data processing equipment, and parts and accessories for office machines. There is one advanced ceramic producer which is in Melaka producing alumina substrate, extrusion ceramic, substrate ceramic, slider ceramic and dry pressed ceramic.

The number of ceramic factories throughout the country in 2017 fell to 359 from 366 in the previous year following to the decrease of clay bricks producers in Kedah, Kelantan, Terengganu and Negeri Sembilan. Table 6 shows the ceramic product components and the number of manufacturers in Malaysia by states. The actual number in the market is most likely to be much higher. Lists of ceramic producers are shown in Appendices 1 – 10.

**Table 6: Ceramic product components and number of establishments by states, 2017**

Products Group	Product Component	Number of Establishments														
		Selangor	WP Kuala Lumpur	Perak	Kedah	Perlis	Pulau Pinang	Kelantan	Terengganu	Pahang	Johor	Negeri Sembilan	Melaka	Sarawak	Sabah	Total
Structural clay products	Clay bricks	11	-	8	4	-	2	10	4	8	27	7	1	36	8	126
	Clay pipes/ sewage pipes/ drain tiles	1	-	13	-	-	-	-	-	-	3	-	-	-	-	17
	Wall, floor, mosaic & terracotta tiles	2	-	-	-	-	-	-	-	-	5	2	-	1	-	10
	Clay roofing tiles	-	-	-	-	-	-	*1	-	-	2	-	-	1	-	4
	Refractory bricks	*1	-	2	-	-	-	-	-	-	-	-	-	-	-	3
Household ceramic products	Ceramic tableware/ porcelain	3	-	4	1	-	-	-	-	-	2	-	-	1	-	11
	Sanitaryware	1	-	1	-	-	-	-	-	-	2	-	-	1		5
Pottery products	Flower pot	-	-	25	-	-	-	-	-	-	-	-	-	1	2	28
	Cooking pot	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4
	Stove	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3
	Decorative ware	9	-	117	-	-	-	2	-	1	4	-	-	4	2	139
	Others	-	-	2		-	-	-	-	-	-	-	-	-	-	2
Advanced ceramic component	Electronic component products	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
	Ceramic powder	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Ceramic fibre/ ceramic insulators	1	-	-	-	-	-	-	-	-	1	-	-	-	-	2
Formers	Ceramic formers	3	-	-	-	-	-	-	-	-	-	1	-	-	-	4
Total		33	-	179	5	-	2	13	4	9	45	10	2	45	12	359

\* Also produced clay bricks  
Source: JMG

In 2017, the structural clay products were the largest contributor in terms of value (74.6%) to the Malaysian ceramic industry, increased by 10.3% to RM2.31 billion compared with RM2.09 billion in 2016. Increased demand for clay pipe and clay roofing tile products during the year was the reason for the increase in the production of structural clay products.

The structural clay product components were clay bricks, wall and floor tiles, clay pipes, clay roofing tiles and refractory bricks. Clay bricks production value decreased significantly by 18.7% from RM554.83 million to RM451.09 million in the previous year as seven out of 133 clay brick producers were no longer active in 2017. Meanwhile, clay pipes products showed a 50.4% increment in production value from RM81.70 million in the previous year to RM122.89 million in 2017. The production value of clay roofing tiles increased by 12.1% from RM283.35 million in the previous year to RM317.72 million owing to the upsurge in production in Johor and Sarawak. Meanwhile, production value of refractory bricks decreased by 25.1% from RM48.66 million to RM36.44 million in 2017 due to declining production in Selangor and Perak.

The pottery product group includes flower and cooking pots, decorative ware, stoves, artworks, vases and other simple household items. Pottery production value decreased slightly by 2.2% from RM142.42 million in the previous year to RM139.25 million in 2017 due to the reduction in production value of all its product components. Flower pot and decorative ware registered a decrease

in production value albeit increased in number of cooking pot producers (1) and decorative ware producers (4). The reduction of decorative ware production value caused by the decreased in production in states of Sarawak, Kelantan and Pahang coupled with the downfall in products price in states of Perak and Sarawak.

Meanwhile, the production value of household ceramic products which consist of tableware/porcelain and sanitaryware showed a decrease of 2.8% from RM296.32 million in the previous year to RM288.12 million in 2017. Sanitaryware products contributed 66.6% of the total production value of household ceramic products and showed a decline of 9.4% in its production value in 2017. Whilst, production value of tableware/porcelain products increased by 13.9% from RM84.48 million to RM96.20 million in 2017. A total of 16 producers of household ceramic products were in operation, of which five were in Perak, four in Selangor, four in Johor, two in Sarawak and one in Kedah.

In 2017, the number of Malaysia's advanced ceramic manufacturers remained at four which were in Selangor (2), Johor (1) and Melaka (1). Production value from the electronic components, ceramic fibre and insulators as well as ceramic powder increased by 14.1% from RM223.06 million in the previous year to RM254.60 million in 2017. Strong global demand for smart electronic was attributed to the continued growth for E&E exports and led to the increment of production value of advanced ceramic products in 2017.



The ceramic formers are used in the manufacture of rubber gloves industry for home use, surgery, laboratory and industrial. In 2017, Malaysian formers production value was increased by 11.5% from RM95.27

million in the previous year to RM106.21 million. There are four formers manufacturers in the country, three in Selangor and one in Negeri Sembilan.

## EXTERNAL TRADE

In 2017, Malaysian exports of ceramic products (clay-based and ceramic, and pottery products) decreased drastically by 52.4% to RM418.26 million from RM879.08 million in the previous year. This was attributable to the drops both in export of clay-based and ceramic products by 66.2% as well as in exports of pottery products by 14.3%. The major export destinations of clay-based and ceramic products, and pottery are shown in Figure 3.

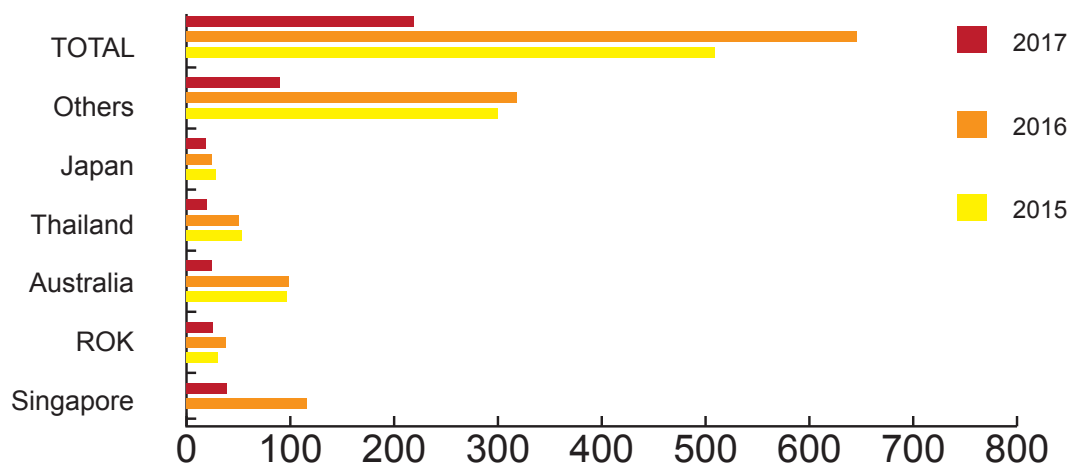
57.8% to RM456.05 million from RM1,079.89 million in 2016 (Table 7). Imports of clay-based and ceramics products declined greatly by 65.0% to RM316.45 million in 2017 from RM904.49 million in 2016. Meanwhile, imports of pottery products decreased significantly by 20.4% to RM139.60 million from RM175.39 million in the previous year. China remained as the highest import source country for both ceramics products. All major import sources are shown in Figure 4.

Likewise, Malaysian imports of ceramic products in 2017 decreased remarkably by

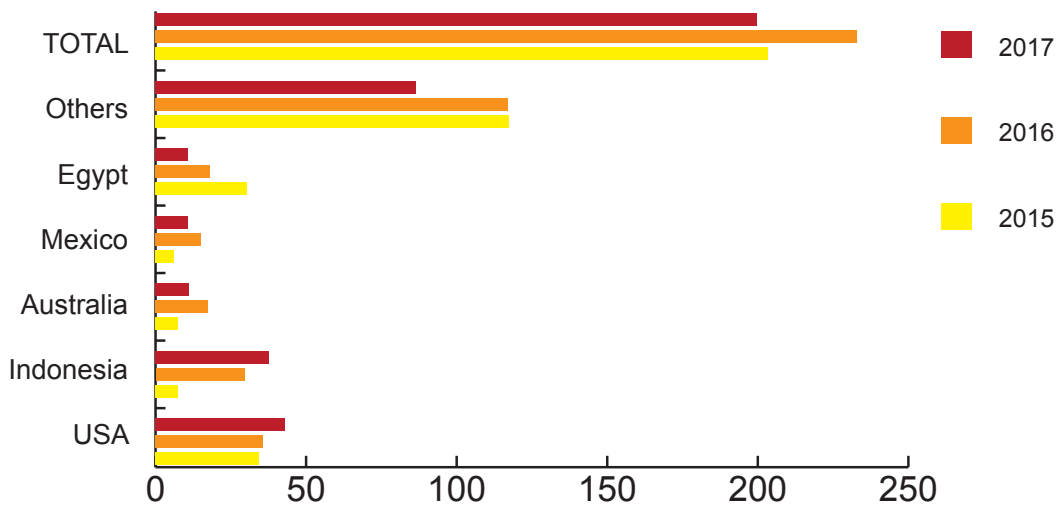
**Table 7: Exports and imports of clay-based and ceramic, and pottery products, 2015-2017**

Trade	Commodity	2015	2016	2017 <sup>p</sup>
		RM million		
<b>Export</b>	Clay-based and ceramics (SITC: 662)	508.85	646.09	218.66
	Pottery (SITC: 666)	203.37	232.99	199.60
	<b>Total</b>	<b>712.22</b>	<b>879.08</b>	<b>418.26</b>
<b>Import</b>	Clay-based and ceramics (SITC: 662)	825.74	904.49	316.45
	Pottery (SITC: 666)	128.78	175.39	139.60
	<b>Total</b>	<b>954.52</b>	<b>1,079.88</b>	<b>456.06</b>

Source: External Trade 2017, DOSM



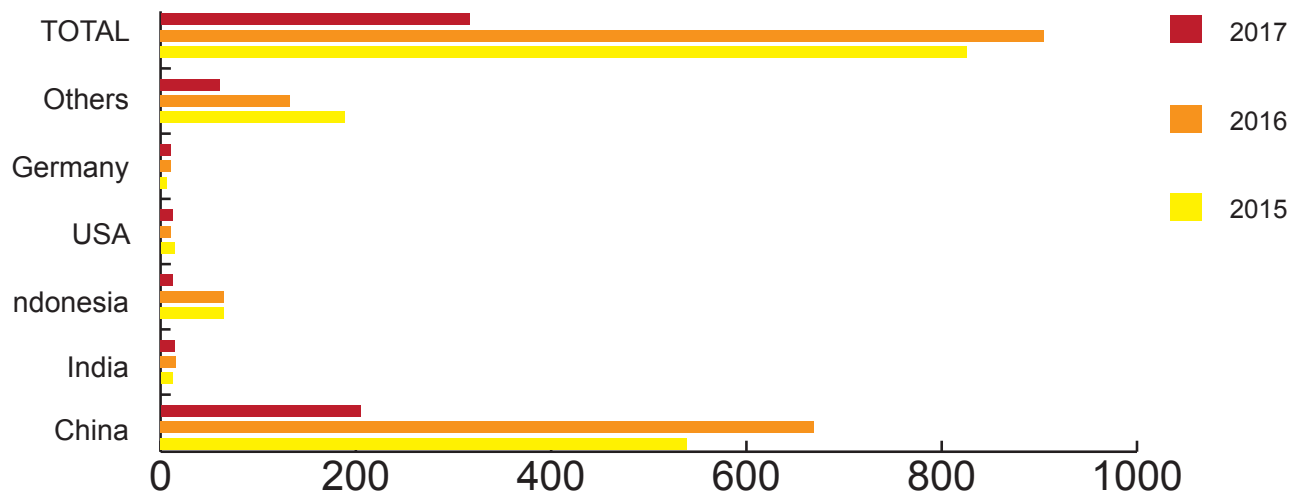
(a) Clay-based &amp; ceramic products



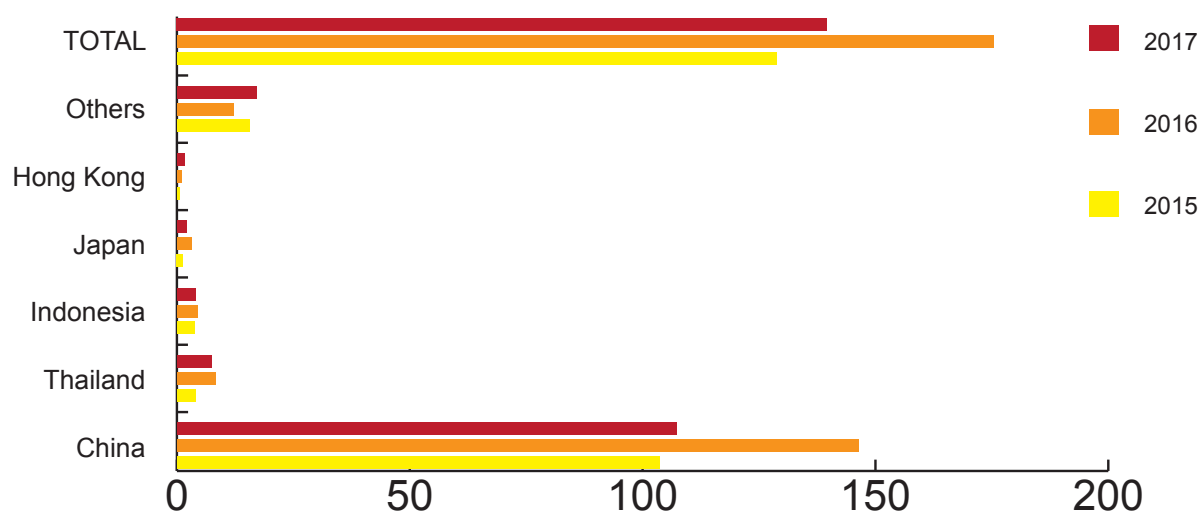
(b) Pottery

Source: External Trade 2017, DOSM

**Figure 3: Exports of clay-based and ceramic, and pottery products by country, 2015-2017**



(a) Clay-based & ceramic products



(b) Pottery

Source: External Trade 2017, DOSM

**Figure 4: Imports of clay-based and ceramic, and pottery products by country, 2015-2017**



## 3.2

## GLASS INDUSTRY

## MALAYSIAN GLASS INDUSTRY REVIEW

The performance of Malaysian glass industry maintained a healthy growth rate in 2017. Demand for glass and glass products remained encouraging supported by vibrant growth both in the manufacturing sector and construction sector. The growing demand for glass products in Malaysia is towards the products which are innovative, quality, precise, advance, reliable, high energy efficiency and flexibility as well as fulfilling strict environmental and safety regulations.

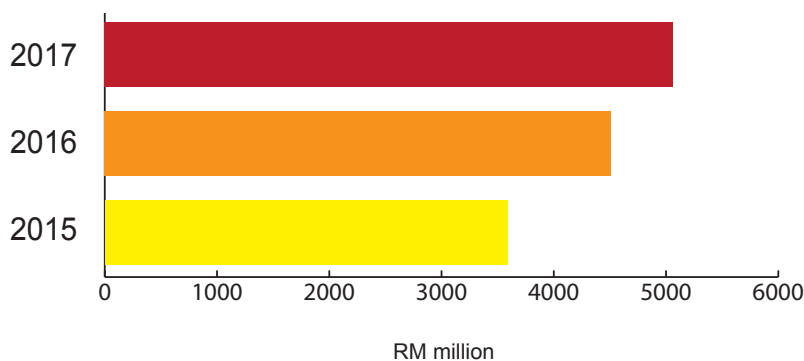
Generally, the glass industry in Malaysia is divided into upstream which refers to glass manufacturing and downstream which involves value adding process to the glass products. The downstream products range from the production of the conventional glass (container glass, automotive glass and glass panel) to high technology glass that is used in the manufacture of hard disc drives, Liquid Crystal Display (LCD) and photovoltaic for solar panel.

There are four product groups in this industry:

- Advanced and specialty glass
- Construction-related glass
- Industrial glass
- Household glass

There was a total of 14 establishments in 2017 and their distributions by states are shown in Table 8.

Malaysian glass and glass products in terms of value increased 20.6% from RM4.51 billion in the previous year to RM5.06 billion in 2017 (Figure 5) (DOSM, 2017). Meanwhile, production value for glass and glass products surveyed by JMG showed a decrease of 0.4% from RM1,020.61 million in 2016 to RM1,016.22 million in 2017. The lower figures of production values captured by JMG compared to the DOSM are due to the production values of secondary products were not included.



Source: Monthly Manufacturing Statistics DOSM, 2017

**Figure 5: Production of flat glass, including wired, coloured or tinted flat glass, 2015-2017**

Details on glass and glass products manufacturers are listed in Appendix 11.

**Table 8: Glass and glass product components and number of establishments by states, 2017**

Product Group	Component	Number of Establishments														
		Selangor	WP Kuala Lumpur	Perak	Kedah	Perlis	Pulau Pinang	Kelantan	Terengganu	Pahang	Johor	Negeri Sembilan	Melaka	Sarawak	Sabah	Total
Construction-related glass products	Flat glass	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Advanced and specialty glass products	Optical & pharmaceutical glass	-	-	-	-	-	1	-	-	-	-	-	1	-	-	2
Industrial glass products	Fibreglass & fibreglass products	*1	-	2	-	-	2	-	-	-	-	-	-	-	-	5
	Glass tubes	*1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
	Cullet	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1
Household glass products	Glass tableware	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
	Glass bottles & containers	1	-	-	-	-	-	-	-	-	1	-	-	-	-	2
	Microwave oven turntable	*1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
TOTAL		4	-	2	-	-	3	-	-	-	3	1	1	-	-	14

Note: \* same manufacturer

Source: JMG

In 2017, the industrial glass products group remained having the highest total production value compared with other glass product groups despite falling nearly 6.1% from RM471.37 million in 2016 to RM442.67 million in 2017 (Figure 6). This group which consists of two product components namely fibreglass and fibreglass products, and cullet products showed a decrease of production value of 6.1% and 0.7% respectively compared with the previous year. The drop in performance of industrial glass products group was due to the decline by more than

48.8% of production value of optical fibre and cable products following to lesser demand of installation projects for fibre optic cables in Peninsular Malaysia which was completed in End-August 2016.

In 2017, the household glass products maintained being the second largest production value in the glass industry (31.1%) contributed by the production of glass bottles and containers as well as glass tablewares products. Nevertheless, its production value decreased by 3.7% from RM327.95 million in

the previous year to RM315.71 million in 2017 mainly attributed to the drop in the production value of glass bottles and container products from Johor.

Meanwhile, the third largest production value in the glass industry in 2017 was construction-related glass products group with 25.2% share contributed solely from flat glass products. The production of flat glass increased significantly by 16.7% from RM219.38 million in the previous year to RM256.00 million in 2017 (Table 9). Flat glass is the most widely used for variety of applications such as automobile glass, mirror, furniture, insulated glass, windows and doors. The upsurge of local flat glass

production value was in tandem with improved demand for construction-related materials in the construction sector as reported in the Economic Performance and Prospect Report, MOF 2017 as well as rising demand of automotive glass in line with increased output of passenger cars and commercial vehicles according to Principle Statistics of Manufacturing Industries, DOSM 2017.

The advanced and specialty glass products registered a decrease in terms of production value by 3.6% from RM1.91 million in 2016 to RM1.84 million in 2017. The production value was solely from optical and pharmaceutical glass products manufactured in Pulau Pinang and Melaka.

**Table 9: Production value of glass and glass product components, 2015-2017**

Products Group	Product Component	2015	2016	2017
		(RM million)		
Construction-related glass products	Flat glass	204.84	219.38	256.00
	<b>Subtotal</b>	<b>204.84</b>	<b>219.38</b>	<b>256.00</b>
Advanced and specialty glass products	Optical & pharmaceutical glass	91.77	1.91	1.84
	<b>Subtotal</b>	<b>91.77</b>	<b>1.91</b>	<b>1.84</b>
Industrial glass products	Fibreglass & fibreglass products	164.36	467.67	439.00
	Glass tubes	NA	NA	NA
	Cullet	3.53	3.70	3.67
	<b>Subtotal</b>	<b>167.89</b>	<b>471.37</b>	<b>442.67</b>
Household glass products	Glass tableware	0.17	0.51	0.49
	Glass bottle & container	287.27	327.44	315.22
	Microwave oven turntable	NA	NA	NA
	<b>Subtotal</b>	<b>287.44</b>	<b>327.95</b>	<b>315.71</b>
<b>Total</b>		<b>751.94</b>	<b>1,020.61</b>	<b>1,016.22</b>

Source: JMG



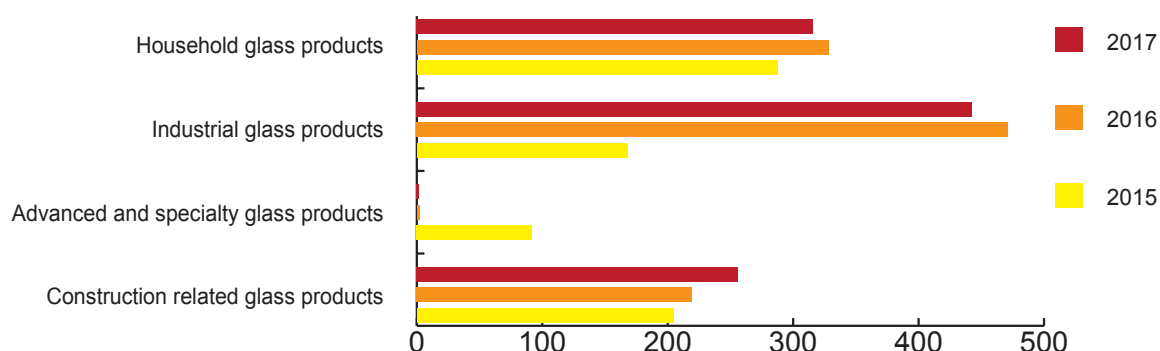


Figure 6: Production value of glass and glass product groups, 2015 - 2017

## EXTERNAL TRADE

The trade of glass and glassware products showed a positive performance in 2017 which increased by 5.1% from the previous year. This was contributed by higher exports of glass and glassware products which increased by 18.4% offsetting the decrease of 4.5% in imports from the previous year.

Exports of glass products increased tremendously by 87.5% to RM1.51 billion in 2017 from RM0.81 billion in the previous year (Table 10). On the other hand, exports of glassware products decreased significantly by 35.1% to RM0.68 billion from RM1.04 billion in 2016. Major export destinations for glass products were ROK, Japan, India, Singapore and China while glassware

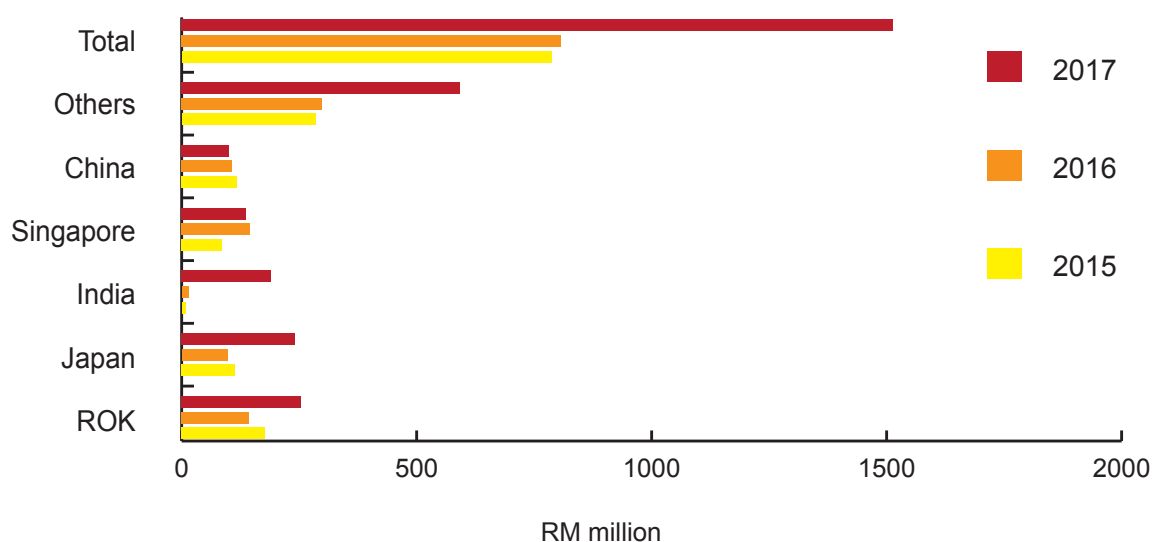
products were exported mainly to Singapore, China, ROK, Japan and Myanmar (Figure 7).

Total imports value of glass and glassware products decreased slightly by 4.5% in 2017 to RM2.43 billion from RM2.55 billion in the previous year. Imports value of glass products increased by 6.9% to RM1.91 billion from RM1.79 billion in the previous year. Meanwhile, imports of glassware products decreased substantially by 31.4% to RM0.52 billion from RM0.76 billion in the previous year. Major import sources of glass products were from Viet Nam, China, Thailand, Germany and Japan. Besides, major import sources of glassware products were China, USA, Japan, France and Germany (Figure 8).

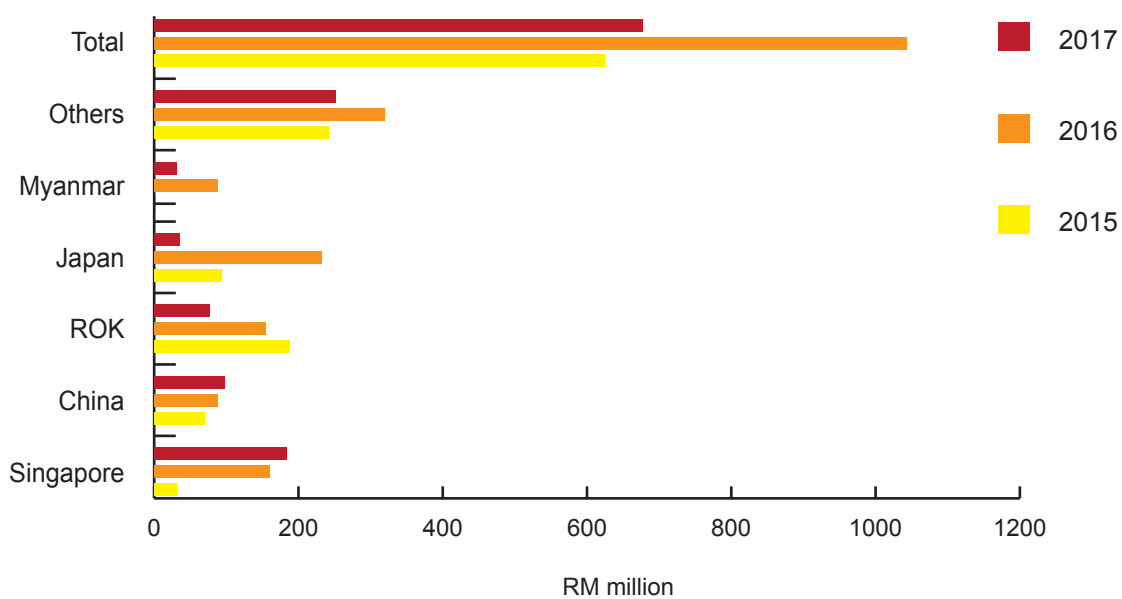
**Table 10: Exports and imports of glass and glassware products, 2015-2017**

Trade	Commodity	2015	2016	2017 <sup>P</sup>
		RM million		
Export	Glass (SITC: 664)	786.74	807.40	1,514.02
	Glassware (SITC: 665)	625.15	1,043.05	676.94
	<b>Total</b>	1,411.90	1,850.45	2,190.96
Import	Glass (SITC: 664)	1,784.19	1,790.87	1,913.76
	Glassware (SITC: 665)	733.89	758.36	520.43
	<b>Total</b>	2,518.08	2,549.23	2,434.20

Source: External Trade Statistics 2017, DOSM



(a) Glass

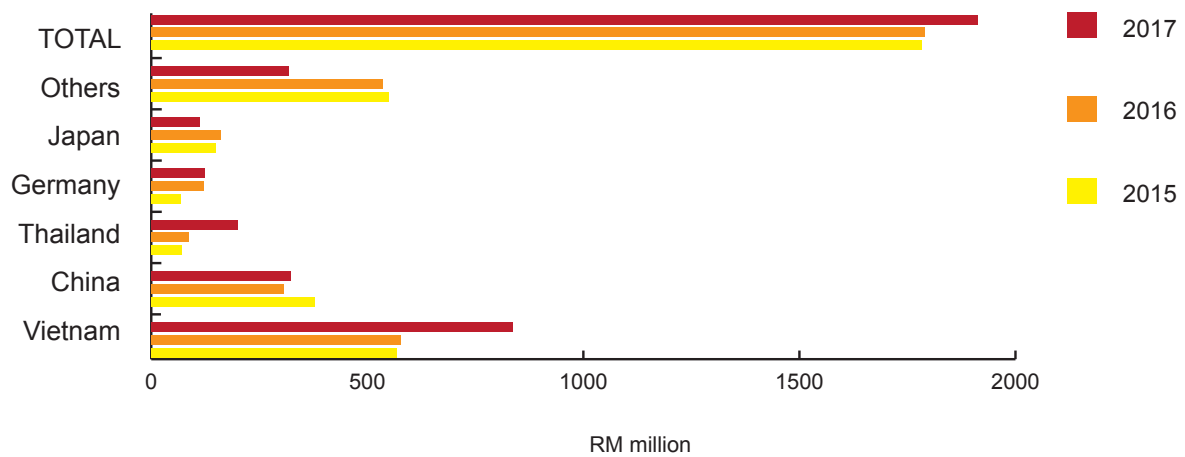


(b) Glassware products

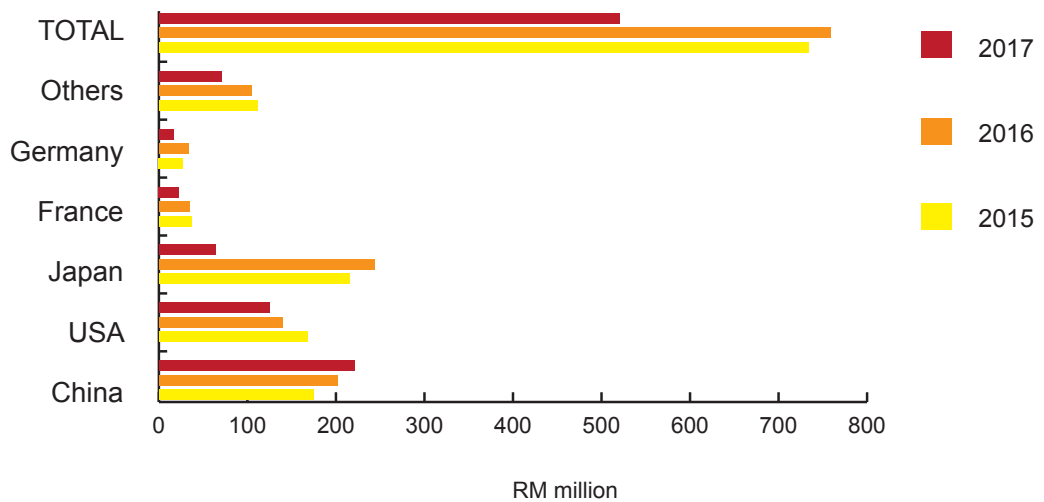
Source: External Trade Statistics 2017, DOSM

Figure 7: Exports of glass and glassware products by country, 2015-2017





(a) Glass



(b) Glassware products

Source: External Trade Statistics 2017, DOSM

Figure 8: Imports of glass and glassware products by country, 2015-2017

# 3.3

## CEMENT AND CONCRETE INDUSTRY

### MALAYSIAN CEMENT AND CONCRETE INDUSTRY REVIEW

The cement market in 2017 experienced a second straight year of market decline. During the first half of 2017, the construction sector registered a growth of 7.4% (January-June 2016: 8.5%) slower than the corresponding period of the previous year. Sluggish demand for cement was reported due to insufficient large-scale property and public sector infrastructure projects as well as overcapacity in the cement industry. This was exacerbated by the prolonged intense price competition among the manufacturers which led to lower cement prices.

The performance of main players in the cement and concrete industry was included in this report to portray its current development scenario. One of the country's building materials company is Lafarge Malaysia. The group has two main operating divisions which are cement and the other, aggregates and concrete. Currently, the group have four cement plants located in Rawang, Kanthan, Pasir Gudang and Langkawi. Lafarge Malaysia recorded a revenue of RM2.25 billion for the year ending 31 December 2017, a decrease of 11.9% from the RM2.55 billion recorded in the previous fiscal year. The company reported a drop-in revenue owing to weak market conditions and the competitive environment (Annual Report Lafarge Malaysia Bhd., 2017).

Another main cement producer player in Malaysia was YTL Cement Bhd. which is subsidiary of YTL Corporation Bhd. The cement manufacturing and trading segment recorded revenue of RM2.43 billion and profit before taxation of RM220.9 million for the financial year ended 30 June 2017 compared to higher revenue of RM2.79 billion and profit of RM544.8 million for the financial year ended 30 June 2016. Reduced sales volumes resulting from lower demand for cement in the construction industry, competitive pricing in the industry and higher costs of production led to the decrease in revenue and profit before taxation for the financial year under review compared to better performance achieved by the division for the previous financial year ended 30 June 2016 (Annual Report YTL Corporation Bhd., 2017).

Malaysian cement production decreased 6.2% from 20.01 million tonnes in previous year to 18.76 million tonnes in 2017 (Figure 9). Nevertheless, production of ready-mixed and dry-mixed concrete and mortar increased by 6.1% from 28.59 million m<sup>3</sup> valued at RM3.24 billion to 30.32 million m<sup>3</sup> valued at RM2.91 billion in 2017 (DOSM, 2017) (Figure 10). Details on production of cement and concrete for 2015-2017 are shown in Table 11.

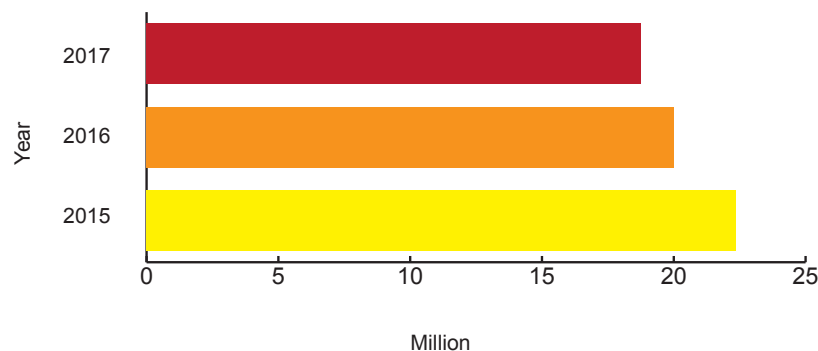
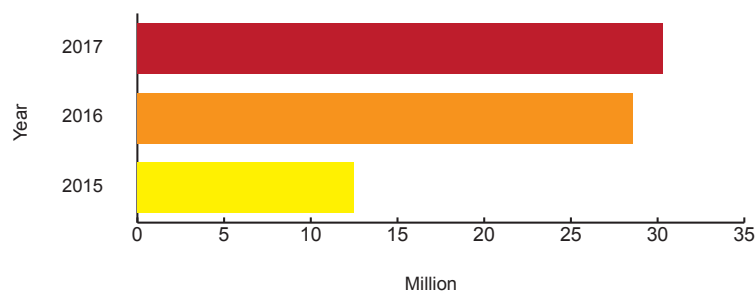
**Table 11: Production of cement and concrete, 2015-2017**

Product Group	2015		2016		2017 <sup>p</sup>	
	Tonnes/ cubic metre/ pieces (Million)	Value (RM billion)	Tonnes/ cubic metre/ pieces (Million)	Value (RM billion)	Tonnes/ cubic metre/ pieces (Million)	Value (RM billion)
Hydraulic cement*	22.34	6.33	20.01	6.43	18.76	6.15
Ready-mixed and dry-mixed concrete and mortar**	12.48	3.16	28.59	3.24	30.32	2.91
Precast concrete, cement or artificial stone articles for use in construction	NA	2.20	NA	2.61	NA	3.27
Cement roofing tiles***	54.15	NA	38.24	NA	36.07	NA

Note: \* Volume in tonnes

\*\* Volume in m<sup>3</sup>

\*\*\* Volume in pieces

**Figure 9: Cement production (all types), 2015-2017**

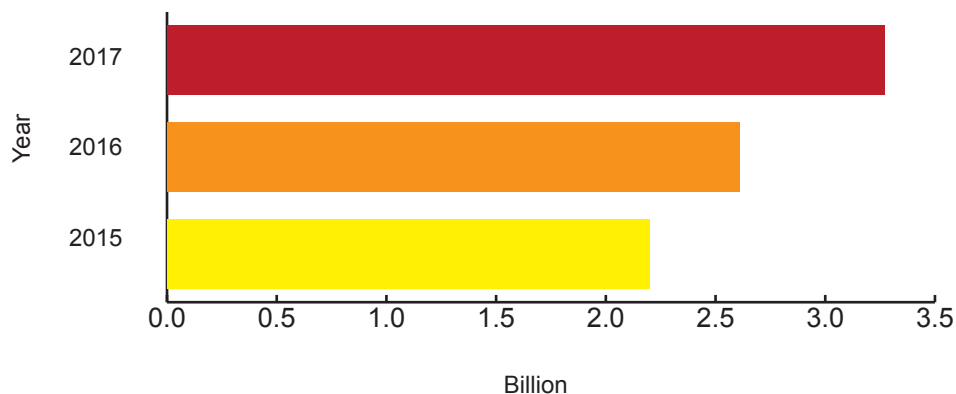
Source: Monthly Manufacturing Statistics DOSM, 2017

**Figure 10: Production of ready-mixed concrete, 2015-2017**



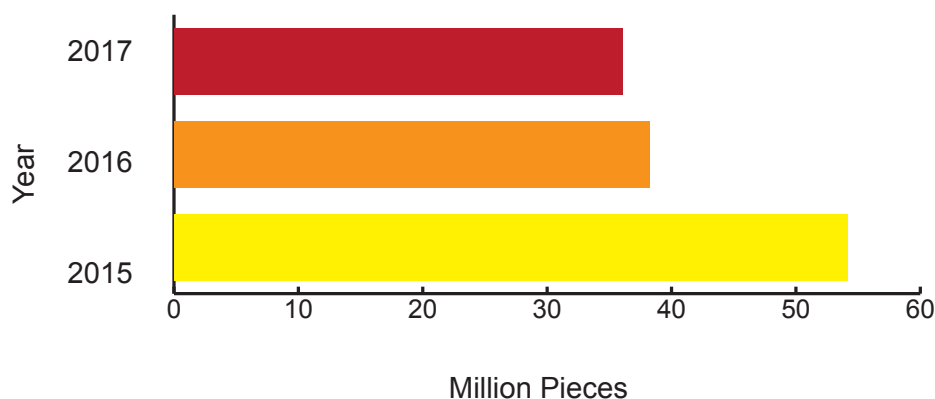
Malaysian production value of precast concrete, cement or artificial stone articles for use in construction; prefabricated structural components for building or civil engineering of cement, concrete or artificial stone; other articles of concrete, cement and plaster production increased substantially by

25.5% from RM2.61 billion in the previous year to RM3.27 billion in 2017 (Figure 11). Meanwhile, production of cement roofing tiles decreased slightly by 5.7% from 38.24 million pieces in 2016 to 36.07 million pieces in 2017 (Figure 12).



Source: Monthly Manufacturing Statistics DOSM, 2017

**Figure 11: Production of precast concrete, cement or artificial stone articles for use in construction, prefabricated structural components for building or civil engineering of cement, concrete or artificial stone, other articles of concrete, cement and plaster, 2015-2017**



Source: Monthly Manufacturing Statistics DOSM, 2017

**Figure 12: Production of cement roofing tiles, 2015-2017**

In 2017, Malaysia has 18 cement plants nationwide (Table 12) of which ten were integrated cement plants. Wide range of cement products were extensively used in construction mainly Ordinary Portland Cement (OPC) besides other cement products such as white/coloured cement, masonry cement, phoenix cement, mascrete

low heat cement, mascrete ECO cement, wall cement, slag cement and fly-ash cement. Malaysian estimated annual production cement capacity is about 40.2 million tonnes in 2017.

Details on cement and clinker manufacturers are listed in Appendix 12.

**Table 12: Cement product components and number of establishments by states, 2017**

Products Group	Product Component	Number of Establishments														
		Selangor	WP Kuala Lumpur	Perak	Kedah	Perlis	Pulau Pinang	Kelantan	Terengganu	Pahang	Johor	Negeri Sembilan	Melaka	Sarawak	Sabah	Total
Cement	Cement	2	-	5	1	1	-	-	-	1	3	1	-	3	1	18
	Clinker	1	-	5	1	1	-	-	-	1	-	1	-	1	-	11
TOTAL		3	-	10	2	2	-	-	-	2	3	2	-	4	1	29

Source: JMG

## EXTERNAL TRADE

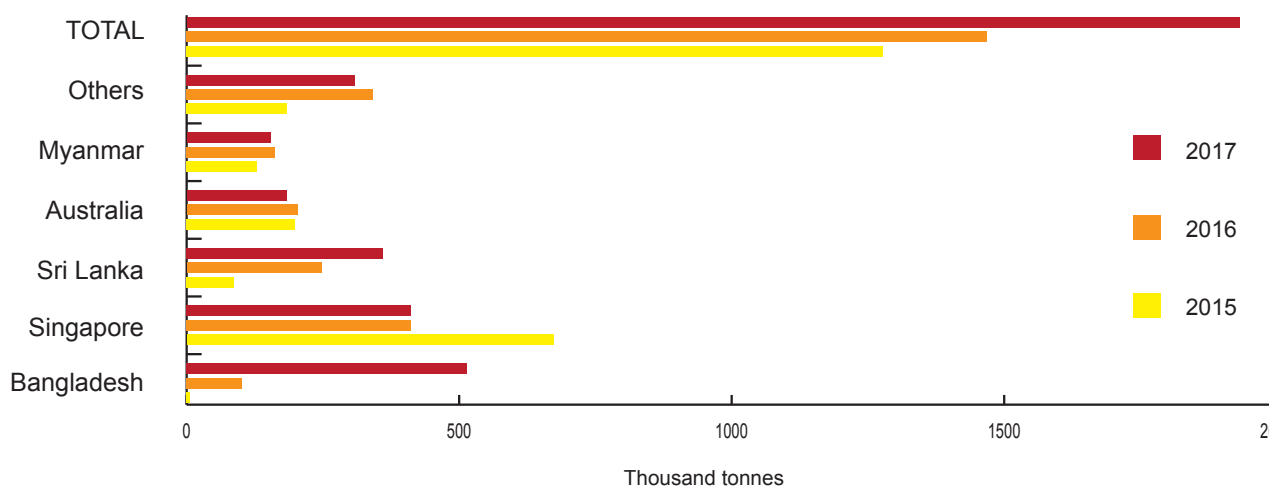
Malaysian trade of cement and clinker witnessed a lukewarm performance in 2017 with declined by 0.8% compared to the previous year. During the year, exports of cement and clinker increased significantly by 31.3% to 1.93 million tonnes from 1.47 million tonnes in 2016. Exports to Bangladesh increased drastically as well as to Sri Lanka. However, exports to other major destination countries including Australia and Myanmar were slightly decreased by 9.8% and 5.4% respectively compared to the previous year (Figure 13).

Meanwhile, imports of cement and clinker continued to decline by 15.0% (1.56 million tonnes) from 2016 (1.83 million tonnes). Malaysia's imports from the major import sources of cement and clinker namely Viet Nam, China, Taiwan and ROK showed a decrease except for Indonesia (Figure 14). Details of cement and clinker exports and imports for 2015-2017 are shown in Table 13.

**Table 13: Exports and imports of cement and clinker, 2015-2017**

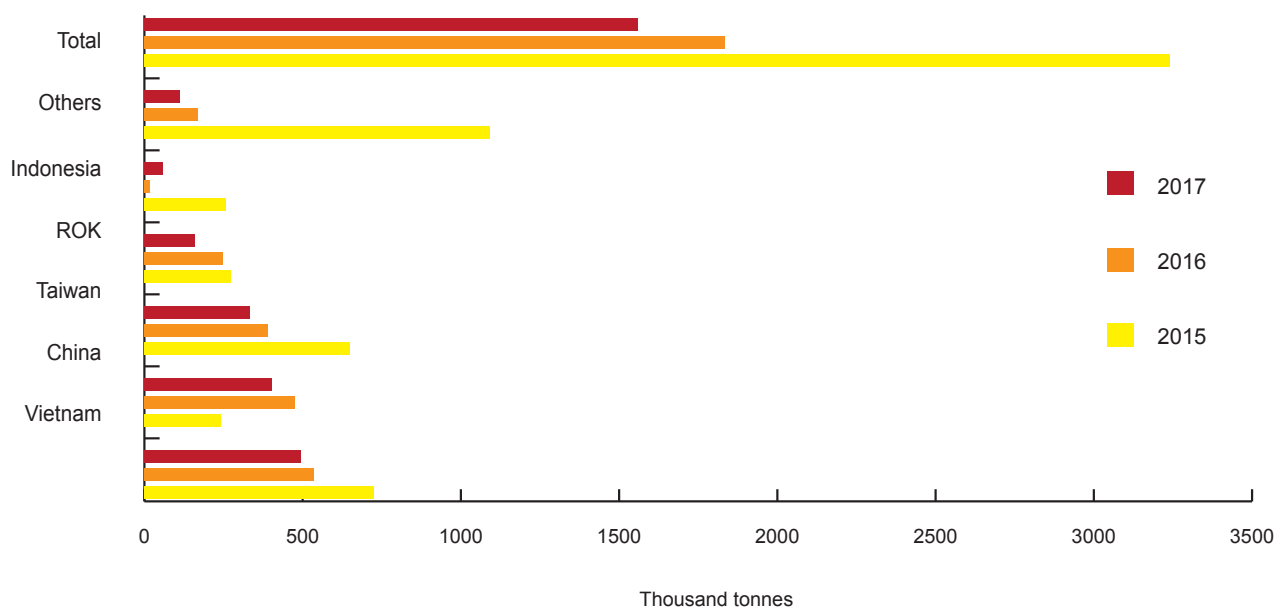
Commodity	Trade	2015		2016		2017 <sup>p</sup>	
		Million tonnes	Value (RM million)	Million tonnes	Value (RM million)	Million tonnes	Value (RM million)
Cement & clinker (SITC: 661.2)	Export	1.28	290.22	1.47	319.31	1.93	363.49
	Import	3.24	705.53	1.83	393.12	1.56	343.28

Source: External Trade Statistics 2017, DOSM



Source: External Trade Statistics 2017, DOSM

**Figure 13: Exports of cement and clinker, 2015-2017**



Source: Final External Trade Statistics 2017, DOSM

**Figure 14: Imports of cement and clinker, 2015-2017**

## 3.4

## LIME AND LIMESTONE POWDER INDUSTRY

## MALAYSIAN LIME AND LIMESTONE POWDER INDUSTRY REVIEW

In 2017, the limestone and lime powder industry continued to grow rapidly in Malaysia supported by the increase in the manufacturing sector by 5.8% (January-June 2016: 4.4%). Domestically, demand for lime and lime powder increased in tandem with increased in all production of the manufacture of rubber, paper, steel, food, metal, iron and steel products as well as in construction sector.

Malaysian lime products are quicklime and hydrated lime while limestone powder includes ground calcium carbonate (GCC), precipitated calcium carbonate (PCC) and dolomite powder. GCC and PCC are commonly used as functional filler and extender pigment but PCC is used to produce more high-quality products for example high gloss, high brightness, chemical resistance, improved rheology and significant cost reduction in automotive coatings, powder coatings and architectural latex coatings.

The production of lime increased significantly by 44.7% from 0.92 million tonnes worth RM393.31 million in the previous year to 1.33 million tonnes worth RM610.55 million in 2017 (Table 14). The significant increment primarily attributed to the substantial increment of lime production in Selangor as well as in Perak and Kedah.

Likewise, production of limestone powder in 2017 increased by 7.9% from 2.3 million tonnes worth RM327.8 million to 2.5 million tonnes worth RM339.08 million in 2017 attributed to the increase in production of GCC and dolomite powder by 8.4% and 9.6%, respectively. Meanwhile, production of PCC declined by almost 7.8% from 84.4 thousand tonnes in the previous year to 77.8 thousand tonnes in 2017 following to the drop of production in Kedah and Perak by 10% and 2%. Both PCC manufacturers exported their products by 70-80% while the balance was used for local consumption.

**Table 14: Production of lime and limestone powder, 2015-2017**

Product Group	2015		2016		2017 <sup>p</sup>	
	Tonnes	Value (RM million)	Tonnes	Value (RM million)	Tonnes	Value (RM million)
Lime	926,162	367.69	920,896	393.31	1,332,222	610.55
GCC	2,336,931	185.96	1,919,284	171.82	2,079,943	185.59
PCC	72,283	66.74	84,355	73.89	77,775	69.63
Dolomite Powder	284,030	81.02	297,304	82.09	325,749	83.86
Sub-total (Limestone Powder)	2,693,244	333.15	2,300,943	327.80	2,483,467	339.08
<b>Total</b>	<b>3,619,406</b>	<b>700.84</b>	<b>3,221,839</b>	<b>721.11</b>	<b>3,815,689</b>	<b>949.64</b>

Source: JMG



The total number of producers of lime and limestone powder nationwide continue to remained 55 producers in 2017. Nonetheless, the numbers of lime producers decreased to 14 after one hydrated lime company in Johor ceased its operation. Meanwhile, numbers of limestone powder producers increased to 41 attributed to a new GCC company operating in Sarawak. Altogether, limestone powder producers comprising 31 GCC, two PCC and eight dolomite powder producers. The state

of Perak remained the major contributor to Malaysian lime and limestone powder industry with total 39 producers producing more than 71.2% of the country's total lime and limestone powder production. The lime and limestone powder product components and the number of producers according to states are shown in Table 15. Details on lime and limestone powder producers are listed in Appendix 13.

**Table 15: Lime and limestone powder product components and number of establishments by states, 2017**

Products Group	Product Component	Number of Establishments														
		Selangor	WP Kuala Lumpur	Perak	Kedah	Perlis	Pulau Pinang	Kelantan	Terengganu	Pahang	Johor	Negeri Sembilan	Melaka	Sarawak	Sabah	Total
Lime	Quicklime	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3
	Hydrated lime	1	-	2	-	-	-	-	-	-	-	-	-	1	-	4
	Quicklime/hydrated lime	2	-	3	1	-	-	-	1	-	-	-	-	-	-	7
	Subtotal															14
Limestone powder	GCC	-	-	26	-	-	-	-	1		-	-	-	2	2	31
	PCC	-	-	1	1	-	-	-	-	-	-	-	-	-	-	2
	Dolomite powder	-	-	4	-	4	-	-	-	-	-	-	-	-	-	8
	Subtotal															41
Total																55

Source: JMG

## EXTERNAL TRADE

Malaysian trade of lime products in term of value registered a stellar performance surging by 41.9% to RM204.63 million compared from RM144.24 million in the previous year. Exports of lime increased substantially by 56.2% to 434,162 tonnes from 277,980 tonnes in the previous year (Table 16). All major export countries namely India followed

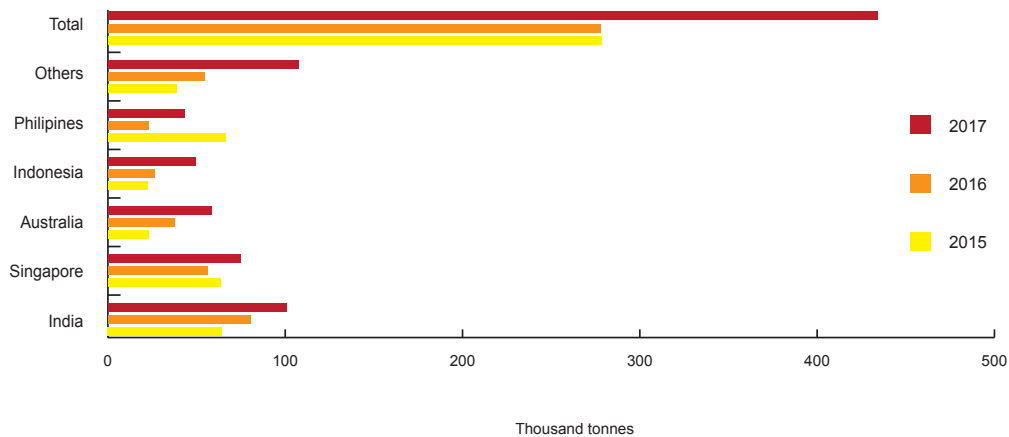
by Singapore, Australia, Indonesia and Philippines showed a significant increase in exports figure in 2017 (Figure 15).

Meanwhile, Malaysian imports of lime remained subdued by 39.5% to 8,172 tonnes in 2017 from 13,500 tonnes in 2016. The major import sources were from Spain, Viet Nam, Belgium, Japan, Australia (Figure 16).

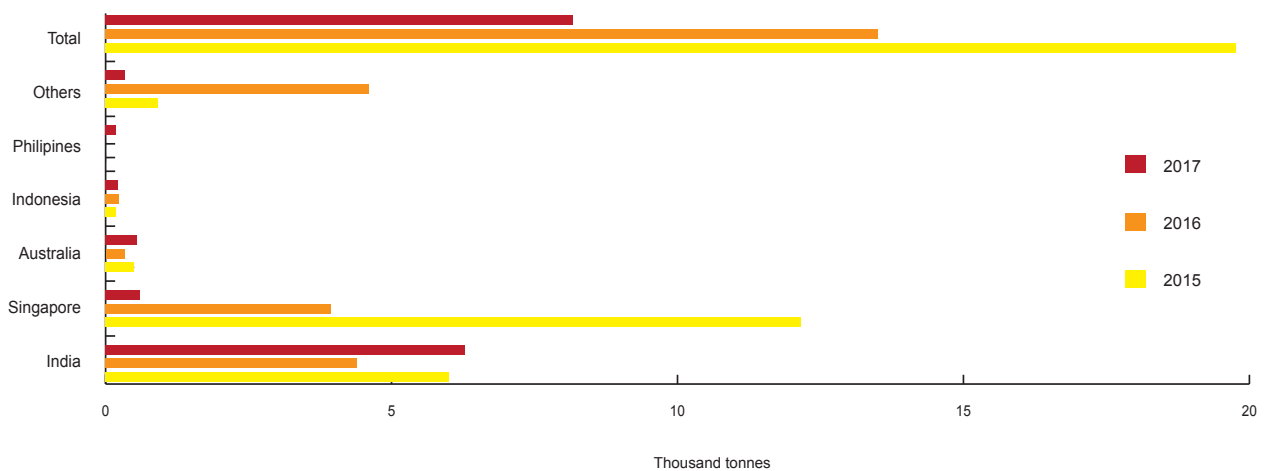
**Table 16: Exports and imports of lime, 2015-2017**

Commodity	Trade	2015		2016		2017 <sup>P</sup>	
		Tonnes	Value (RM million)	Tonnes	Value (RM million)	Tonnes	Value (RM million)
<b>Quicklime, slaked lime and hydraulic lime (SITC: 661.1)</b>	Export	278,290	125.97	277,980	136.92	434,162	198.63
	Import	19,762	9.25	13,500	7.32	8,172	6.00

Source: External Trade Statistics 2017, DOSM



Source: External Trade Statistics 2017, DOSM

**Figure 15: Exports of lime by country, 2015-2017**

Source: External Trade Statistics 2017, DOSM

**Figure 16: Imports of lime by country, 2015-2017**

In 2017, Malaysian trade of limestone powder in term of value witnessed a substantial decline by 71.2% to RM95.35 million from RM336.02 million recorded in the previous year. Exports and imports of limestone powder in term of tonnage dropped drastically compared to previous year by 73.0% and 64.2% to 155,730 tonnes and

8,732 tonnes respectively (Table 17). Major export destinations include India, Indonesia, Bangladesh, Myanmar and China. In 2017, China remained the main import source followed by Thailand, Japan, Taiwan and India.

**Table 17: Exports and imports of limestone powder (calcium carbonate), 2015-2017**

Commodity	Trade	2015		2016		2017 <sup>p</sup>	
		Tonnes	Value (RM million)	Tonnes	Value (RM million)	Tonnes	Value (RM million)
<b>Calcium carbonate (SITC: 523.791.000)</b>	Export	568,795	352.07	576,489	365.85	155,730	102.54
	Import	19,846	28.93	24,370	29.82	8,732	7.20

Source: External Trade Statistics 2017, DOSM

## 3.5

## DIMENSION STONE INDUSTRY

## MALAYSIAN DIMENSION STONE INDUSTRY REVIEW

Unlike in the previous year, the dimension stone industry in 2017 show a gloomy market parallel to soft market in the local construction sector. Ceramic products which is the major competitors, may be a popular choice with satisfactory quality for interior decoration as well as for outdoor landscape purposes in residential and non-residential sectors due to lower prices.

Most local dimensional stone manufacturers have their own quarries of granite and marble types and some of them buy others local rocks or from abroad in the form of blocks. The blocks will be cut using a special stone

cutter and then polished to create a slab as a second product and partly also used to make a variety of unique furniture such as chairs and tables.

Production of dimension stone declined substantially by more than 15.3% from RM309.17 million in the previous year to RM261.95 million in 2017 attributed to the decrease in the production of states like Perak, Melaka, Selangor, Johor and Kelantan except for Terengganu (Table 18).

Table 18: Production of dimension stone, 2015-2017

Product Group	2015	2016	2017 <sup>p</sup>
	Value (RM million)	Value (RM million)	Value (RM million)
Dimension Stone	274.82	309.17	261.95

In 2017, the number of dimension stone producer throughout the country dropped to 28 producers owing to three producers in Selangor and one producer in Johor were not in operation (Table 19). During the year, consumption of dimension stone in Malaysia according to product components was construction sector (44.7%), terrazzo/ terrazzo chips (37.8%), marble slabs and furniture (15.1%) as well as funerary monument (2.4%).

Perak was still the main contributor with 81.0% share of total Malaysia's dimension stone production value with products ranging from granite and marble slab/furniture to terrazzo chips. The number of producers in Perak amounted to 22. Details on dimension stone/terrazzo producers are listed in Appendix 14.



**Table 19: Dimension stone product components and number of establishments by states, 2017**

Products Group	Product Component	Number of Establishments														
		Selangor	WP Kuala Lumpur	Perak	Kedah	Perlis	Pulau Pinang	Kelantan	Terengganu	Pahang	Johor	Negeri Sembilan	Melaka	Sarawak	Sabah	Total
Dimension Stone	Granite/ marble/ tombstone	1	-	10	-	-	-	-	1	-	1	-	1	-	-	14
	Marble slabs & furniture	-	-	3	-	-	-	1	-	-	-	-	-	-	-	4
	Terrazzo/ terrazzo chips	-	1	9	-	-	-	-	-	-	-	-	-	-	-	10
TOTAL		1	1	22	-	-	-	1	1	-	1	-	1	-	-	28

Note: An establishment may be represented more than once if it produces more than one product

Source: JMG

## EXTERNAL TRADE

Malaysia's trade of dimension stone in 2017 registered a gloomy growth of 20.6% decline to RM257.24 million as compared to RM323.76 million in 2016.

Exports value of dimension stone from Malaysia contracted significantly by 45.2% to RM10.51 million from RM19.18 million in the previous year. The significant drops in exports to the major export destinations were Singapore, Indonesia, China and Thailand

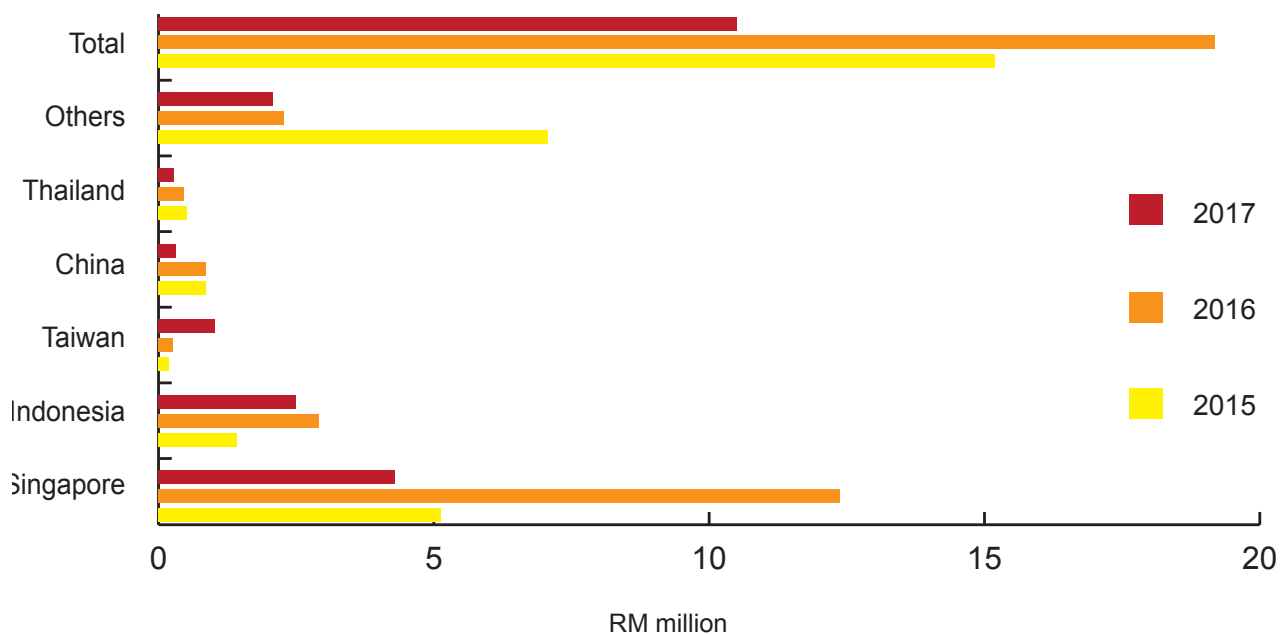
except for Taiwan (Figure 17).

Likewise, imports of dimension stone in 2017 declined by 19.0% amounted to RM246.73 million from RM304.58 million in 2016. China maintained as the largest supplier of dimension stone to Malaysia followed by Oman, India, Singapore and Indonesia (Figure 18). Table 20 shows the details of monumental or building stone trading for 2015-2017.

**Table 20: Exports and imports of monumental or building stone, 2015-2017**

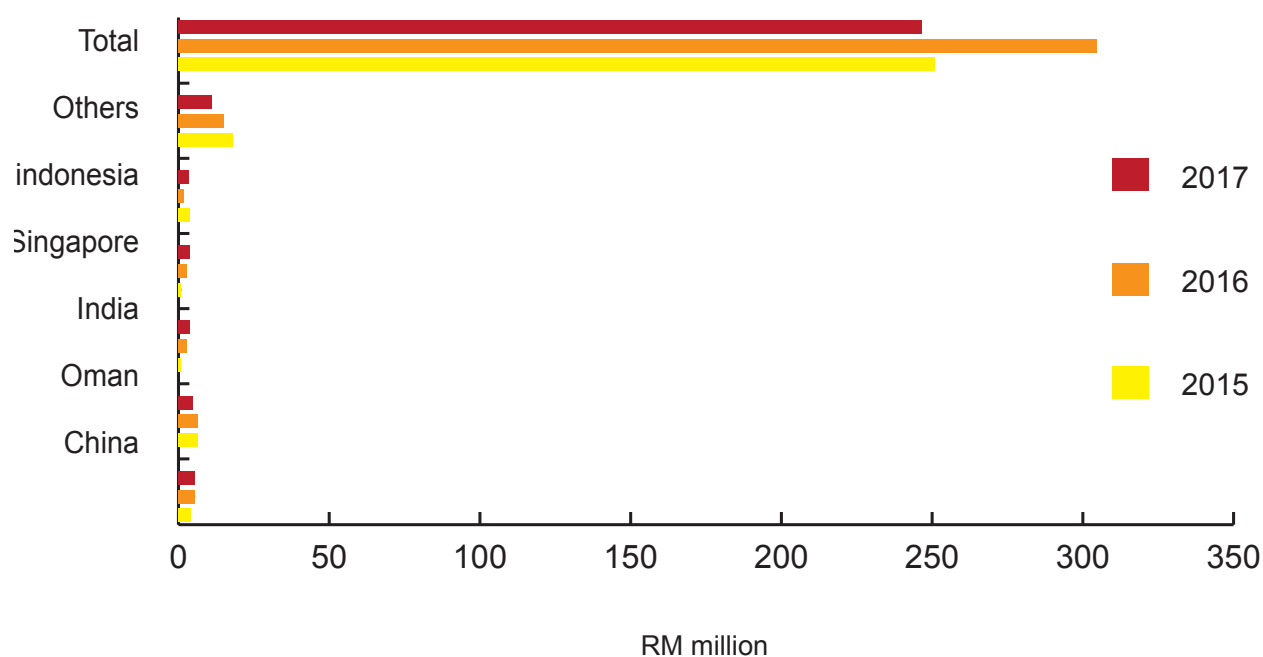
Commodity	Trade	2015		2016		2017 <sup>p</sup>	
		Tonnes	Value (RM million)	Tonnes	Value (RM million)	Tonnes	Value (RM million)
<b>Monumental or building stone (SITC: 661-3)</b>	Export	15,375	15.19	18,862	19.18	4,118	10.51
	Import	117,667	250.98	124,873	304.58	79,540	246.73

Source: External Trade Statistics 2017, DOSM



Source: External Trade Statistics 2017, DOSM

**Figure 17: Exports of monumental or building stone by country, 2015-2017**



Source: External Trade Statistics 2017, DOSM

**Figure 18: Imports of monumental or building stone by country, 2015-2017**

## 3.6

## BLEACHING EARTH INDUSTRY

## MALAYSIAN BLEACHING EARTH INDUSTRY REVIEW

Bleaching earth or activated clay is a mineral based product used as a highly effective adsorbent essential in the refining process for the purification and decolourisation of oils. In 2017, the performance of bleaching earth has shown recovery after experiencing a moderated market in the previous year. Malaysian production of bleaching earth in 2017 increased by 15.8% to 194,834 tonnes worth RM157.74 million (2016: -0.2%; 167,627 tonnes; RM136.24 million) (Table 21) due to most of the local bleaching earth manufacturers ramping up their production.

There was an additional one manufacturer in Selangor constituting a total of five bleaching earth establishments in Malaysia (Table 22). Among the bleaching earth manufacturer was W Clay Industries Sdn. Bhd. which has two factories located in Klang, Selangor and Sandakan, Sabah. Currently, Taiko Bleaching Earth Sdn. Bhd. located in Parit Buntar, Perak was the largest producer of bleaching earth in Malaysia. Details on bleaching earth/activated clay producers are listed in Appendix 15.

Table 21: Production of bleaching earth/activated clay, 2015-2017

Product Group	2015		2016		2017 <sup>p</sup>	
	Tonnes	Value (RM million)	Tonnes	Value (RM million)	Tonnes	Value (RM million)
Bleaching earth/activated clay	167,967	132.49	167,627	136.24	194,834	157.74

Source: JMG

Table 22: Number of bleaching earth/activated clay establishments by states, 2017

Products Group	Product Component	Number of Establishments														
		Selangor	WP Kuala Lumpur	Perak	Kedah	Perlis	Pulau Pinang	Kelantan	Terengganu	Pahang	Johor	Negeri Sembilan	Melaka	Sarawak	Sabah	Total
Bleaching earth/activated clay	Bleaching earth	2	-	1	-	-	-	-	-	-	1	-	-	-	1	5

Source: JMG



## EXTERNAL TRADE

In 2017, Malaysian trade for bleaching earth/activated clay recorded a robust performance of 12.6% with an increase value amounted RM78.51 million from RM69.70 million in the previous year. Exports of bleaching earth/activated clay increased by 12.3% to RM66.01 million from RM58.78 million in the previous year. In terms of volume, exports of bleaching earth/activated clay in 2017 increased slightly by 7.8% to 43,689 tonnes from 40,537 tonnes (Table 23). The increase in exports to major export destinations were Netherlands, Thailand, Indonesia and Poland

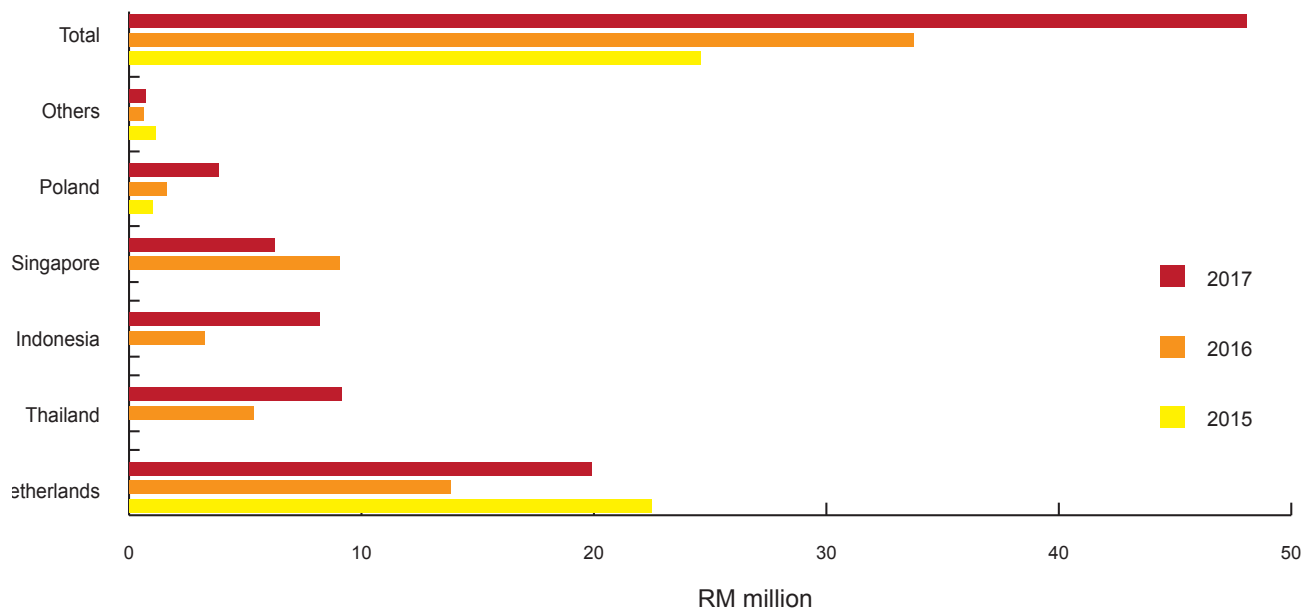
except for Singapore which registered a substantial decrease by 31.1%. (Figure 19).

Meanwhile, import value recovered from the previous year by 14.4% worth RM12.50 million (11,656 tonnes) compared to RM10.92 million (10,689 tonnes) in 2016. Indonesia was the largest supplier of bleaching earth to Malaysia in 2017 while other major import sources were India, USA, China and Taiwan (Figure 20). Details of bleaching earth/activated clay trading for 2015-2017 are shown in Table 20.

**Table 23: Exports and imports of bleaching earth/activated clay, 2015-2017**

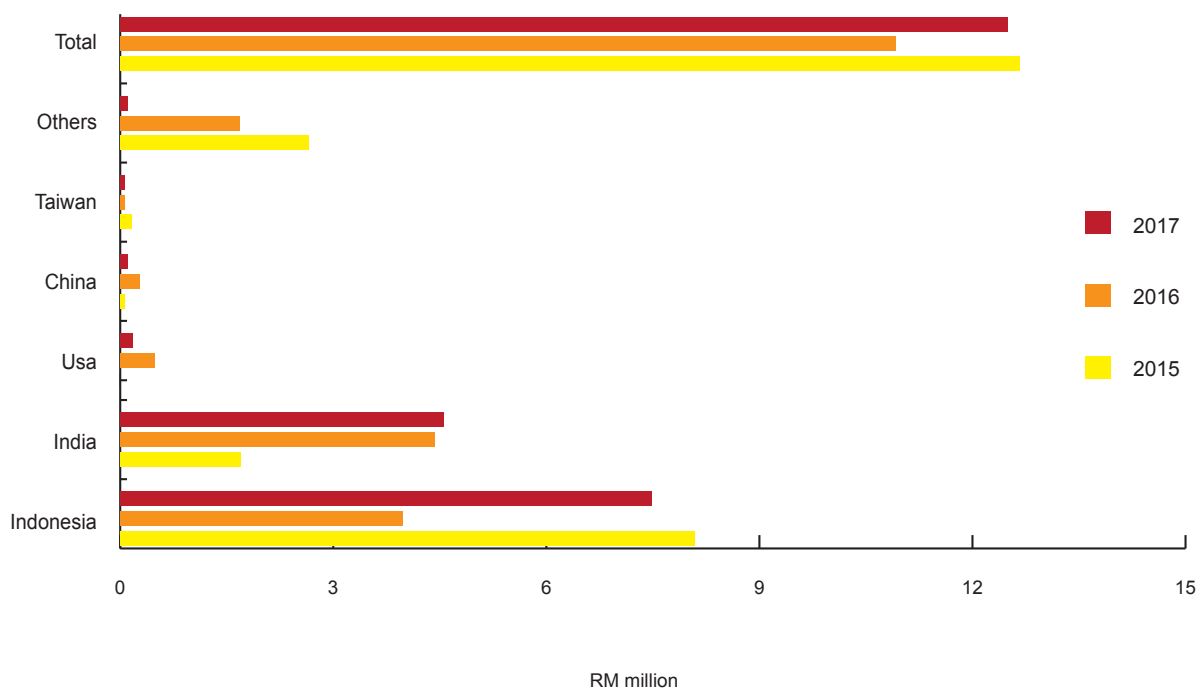
Commodity	Trade	2015		2016		2017 <sup>p</sup>	
		Tonnes	Value (RM million)	Tonnes	Value (RM million)	Tonnes	Value (RM million)
Activated clay (SITC: 598.650.100)	Export	28,548	41.87	40,537	58.78	43,689	66.01
	Import	7,640	12.66	10,689	10.92	11,656	12.50

Source: External Trade Statistics 2017, DOSM



Source: External Trade Statistics 2017, DOSM

**Figure 19: Exports of bleaching earth/activated clay by country, 2015-2017**



Source: External Trade Statistics 2017, DOSM

**Figure 20: Imports of bleaching earth/activated clay by country, 2015-2017**

# 3.7

## OTHER NON-METALLIC MINERAL-BASED PRODUCTS

Several small non-metallic mineral-based products not classified under any of the previous sections are briefly discussed in this chapter. In 2017, performance of these industrial mineral-based products in terms of production value rebounded by 4.9% to

about RM802.87 million from RM765.51 million in the previous year (Table 24). Based on surveys done by JMG, there were 17 establishments recorded in 2017 and their distributions according to states are shown in Table 25.

**Table 24: Production of other non-metallic mineral-based products, 2015-2017**

Product Group	2015		2016		2017 <sup>p</sup>	
	Tonnes	Value (RM million)	Tonnes	Value (RM million)	Tonnes	Value (RM million)
Acetylene*	89,436	1.24	260,249	2.85	279,553	3.48
Calcium carbide	19,434	47.10	13,927	40.52	16,507	45.90
Calcium silicate brick**	41,945,663	14.68	42,000,550	14.70	41,905,750	14.67
Cement fibre	295,660	200.14	291,065	198.00	294,000	198.68
Clay powder	-	-	4,800	1.74	6,000	1.50
Filter sand	1,550	0.11	-	-	-	-
Pyrophyllite	19,809	10.34	23,847	17.69	25,376	19.11
Refractory mortar	2,570	2.38	2,350	2.20	2,600	2.43
Rockwool	18,973	58.08	14,535	50.38	32,031	42.96
Sodium silicate	80,100	46.00	102,274	44.84	105,330	46.36
Titanium dioxide	43,870	372.90	47,443	314.50	49,660	329.20
Vinyl flooring	196,381	22.58	165,773	19.06	136,653	15.85
Zirconium silicate	13,899	55.43	16,342	59.03	16,720	82.73
<b>TOTAL</b>		<b>830.97</b>		<b>765.51</b>		<b>802.87</b>

Note: \*volume in cubic metre

\*\* volume in pieces

Source: JMG

During the year, titanium dioxide was the largest in production value among other industrial mineral-based products group. Titanium dioxide ( $\text{TiO}_2$ ) is a naturally occurring mineral used as a bright white pigment for paint, in the food industry as a colouring, in sunscreens and cosmetics, and in other industrial uses. Production value of titanium dioxide pigment registered an increment by 4.9% from RM314.50 million in the previous year to RM329.20 million in 2017.

This was followed by zirconium silicate products with production value surged significantly by 40.2% from RM59.03 million in the previous year to RM82.73 million in 2017. The sole Malaysian manufacturer of zirconium silicate is in Senawang, Negeri Sembilan. Common uses of this product were in the manufacturing of refractory materials and in the production of enamels and ceramic glazes.

**Table 25: Other non-metallic mineral-based product components and number of establishments by states, 2017**

Products Group	Product Component	Number of Establishments														
		Selangor	WP Kuala Lumpur	Perak	Kedah	Perlis	Pulau Pinang	Kelantan	Terengganu	Pahang	Johor	Negeri Sembilan	Melaka	Sarawak	Sabah	Total
Other non-metallic mineral-based products	Acetylene	-	-	1*	-	-	-	-	-	-	-	-	-	-	-	1
	Calcium carbide	-	-	1*	-	-	-	-	-	-	-	-	-	-	-	1
	Calcium silicate brick	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Cement fibre	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
	Clay powder	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Pyrophyllite	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
	Refractory mortar	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
	Rockwool	1	-	-	-	-	-	-	-	-	-	-	1	-	-	2
	Sodium silicate	-	-	-	-	-	-	-	-	1	2	-	-	-	-	3
	Titanium dioxide	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
	Vinyl flooring	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
	Zirconium silicate	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1
	Total		1	-	9	-	1	-	-	1	1	2	1	1	-	-

Note: \* same manufacturer  
Source: JMG



Another industrial mineral-based product is sodium silicate used in manufacturing detergents, paper, water treatment, and construction materials. Production value of sodium silicate registered a slight increase of 3.3% from RM44.84 million in 2016 to RM46.36 million in 2017. The sodium silicate was produced from two companies in Johor and one in Pahang. Silica sand was sourced from Sarawak and Australia.

Besides, rock wool insulation product which is made from basalt offers fire protection, sound proofing and reduces the risk of mould and bacterial growth to the building. Unfortunately, the production decreased for three consecutive years starting in 2015 until 2017. The production value of rock wool insulation product decreased by 14.7% from RM50.38 million in 2016 to RM42.96 million in 2017. Most probably, the decline was due to the moderate growth in local construction sector. Two factories related to this product were based in Bukit Raja, Selangor and Ayer Keroh, Melaka.

In 2017, Perak still the only state produced calcium carbide, pyrophyllite, acetylene, cement fibre, refractory mortar, calcium silicate brick and clay powder products. Calcium carbide, pyrophyllite powder and acetylene are lime-based products while calcium silicate brick and cement fibre are sand-based products. Refractory mortar and clay powder are the clay-based products used in the construction of furnace and ceramic body formulation respectively. The total production value of these products recorded a slight increase of about 2.9% from RM277.70 million in 2016 to RM285.76 million in 2017.

Similar to the previous year, there is one vinyl flooring producer reported in Perlis which consumes approximately 50% of limestone as its feed material. The total production of vinyl flooring products dropped more than 16.9 % to RM15.85 million in 2017 from RM19.06 million in the previous year. Details regarding the producers in this section are listed in Appendix 16.



A collection of various colorful mugs with different patterns and designs, including stripes, polka dots, geometric shapes, and cartoon characters, hanging from a black pegboard. The mugs are arranged in a grid-like fashion, with some hanging vertically and others horizontally. The background is a solid black surface with small white dots.

# **METALLIC MINERAL-BASED**

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# **INDUSTRIES SECTOR**



## METALLIC MINERAL-BASED INDUSTRIES

This section discusses basic metals industry which comprises four major metallic mineral-based industries namely iron and steel industry, aluminium-based industry, tin-based industry and copper-based industry. It covers the processing and manufacturing of ferrous metal products of iron and steel, and non-ferrous metal products such as aluminium, tin and copper. This basic metals industry plays a vital role in the country's manufacturing and construction sectors.

The total sales value of own manufactured products for selected metallic mineral-based products in 2017 was RM49.84 billion, rose 10.4% from RM45.15 billion recorded in 2016.

Five largest contributors in terms of production value to the metallic mineral-based industry were dominated by production of pig iron and spiegeleisen in pigs, blocks or other primary forms, and production of bars and rods of stainless steel or other alloy steel increased 3.5% from RM21.25 billion to RM21.99 billion; production of aluminium from alumina and other basic precious and other non-ferrous metal n.e.c increased 30.3% from RM10.36 billion to RM13.49 billion; production of metal doors, windows and their frames, shutters increased 26.2% from RM2.93 billion to RM3.70 billion; production of metal cable, plaited bands and similar articles, manufacture of bolts, screws, nuts and similar threaded products increased 1.4% from RM3.35 billion to RM3.40 billion; production of any other fabricated metal products decreased 1.7% from RM3.01 billion to RM2.96 billion (Table 2) (Monthly Manufacturing Statistics DOSM, 2017).

According to MIDA, there were 15 projects approved in 2017 involving the manufacture of basic metal products with investments of RM183.2 million from RM4.9 billion in 2016. Two thirds of these projects

were expansion / diversification projects with investments of RM133.5 million, while the other five were new projects with investments amounted to RM49.7 million.

Domestic sources were the biggest share of approved investment in basic metal sub-sector totalling 93.6% (RM171.4 million) while foreign investment contributed 6.4% share (RM11.8 million). The investments of these projects yield 1,362 jobs domestically.

There were three metal recycling projects approved for Shan Poornam Metals Sdn. Bhd., Bay Aluminium Industries Sdn. Bhd., and Asahi C&S Sdn. Bhd., with total investments of RM31.9 million and employing 67 people. Two of these company are located in Penang and one is in Selangor. These projects, which transform waste into higher value-added products such as the recycling of precious metals and secondary aluminium ingots, will help to mitigate issues in domestic waste management and reduce reliance on landfill services.

Another notable approved investment is a RM2.8 million expansion project by Ulvac Malaysia Sdn. Bhd. The company will be the first in Malaysia to produce target bonding materials, which is widely used in the surface treatment process. This involves materials for the Physical Vapour Deposition (PVD) and Chemical Vapour Deposition (CVD) processes, which are usually used in making semiconductor wafers, and as surface treatments for high-end parts and components for various industries. To date, the company employs 82 personnel, of which 45 (55%) are employed at a managerial, technical, or supervisory level, and 39 people (47%) have monthly salaries of more than RM3,000 (Malaysia Investment Performance Report MIDA, 2017).

## Iron And Steel Industry

### 4.1

#### REVIEW OF THE MALAYSIAN IRON AND STEEL INDUSTRY

The performance of the iron and steel industry in Malaysia in 2017 remained strong supported by stable global iron and steel prices. The Chinese government has issued directives to private millers to reduce steel production due to environmental protection problems. Since the implementation of the policy, steel prices have risen in line with high demand worldwide.

In Malaysia, demand for iron and steel continues to be supported by the construction of ongoing infrastructure projects as well as the implementation of the safeguard duties on several steel products between 11.9% and 13.4% over three years from April 2017. Local steel producers showed an increase in their annual revenue due to the recovery of the iron and steel industries.

FMM reported that in 2017, there were 158 iron and steel manufacturers in the country. The iron and steel industry provide basic raw materials and intermediate inputs to the construction and manufacturing sector such as the E&E, automotive, furniture, machinery and engineering fabrication industries. The steel industry in Malaysia has been categorised into three distinct product groups as shown in Table 26.

Details on iron and steel products manufacturers are listed in Appendix 17.

According to MISIF, Malaysia crude steel production rebounding by 16.3% to 3.21 million tonnes in 2017 from 2.76 million tonnes in the previous year (Table 27). Malaysia's crude steel production stood at ranking of 4<sup>th</sup> place over the ASEAN-6 crude steel production with share of 12.2%. Meanwhile, finished steel production increased slightly in 2017 by 0.2% to 6.65 million tonnes from 6.64 million tonnes in year 2016. Production performance of the Malaysian iron and steel industry rebounded, with improvements observed in upstream production of billets and midstream production of rolled longs. Billet and rolled longs were also the best performing segments, with the highest capacity utilization rate recorded at 38% and 39% respectively in 2017. Performance of the iron and steel industry for 2015-2017 shown in Table 27.



Table 26: Categorization of iron and steel products

Group	Type of Products
<b>Upstream (Primary Products)</b>	i. <b>Iron Products (Scrap Substitutes):</b> <ul style="list-style-type: none"> <li>▪ Hot-Briquetted Iron (HBI)</li> <li>▪ Direct Reduced Iron (DRI)</li> <li>▪ Pig Iron</li> <li>▪ Hot Metal</li> </ul> ii. <b>Crude Steel (Semi-Finished):</b> <ul style="list-style-type: none"> <li>▪ Billets</li> <li>▪ Blooms</li> <li>▪ Slabs</li> </ul>
<b>Midstream (Rolled/Finished Products)</b>	i. <b>Long-Products:</b> <ul style="list-style-type: none"> <li>▪ Bars</li> <li>▪ Wire Rods</li> <li>▪ Sections</li> </ul> ii. <b>Flat-Products:</b> <ul style="list-style-type: none"> <li>▪ Hot-Rolled Plates and Sheets</li> <li>▪ Hot/Cold-Rolled Coils</li> </ul>
<b>Downstream (Secondary Finished Products)</b>	i. <b>Downstream Wire and Wire Products:</b> <ul style="list-style-type: none"> <li>▪ Nails</li> <li>▪ Wire</li> <li>▪ Wire Mesh</li> <li>▪ Bolts and Nuts</li> <li>▪ Barbed Wire</li> <li>▪ Cold Drawn Bar</li> <li>▪ Drawn Bar</li> <li>▪ Shafting Bar</li> </ul> ii. <b>Flat-secondary:</b> <ul style="list-style-type: none"> <li>▪ Fabricated steel</li> <li>▪ Coated &amp; Painted Steel</li> <li>▪ Tubes and Pipes (Seamed/Welded)</li> <li>▪ Process Equipment, Including Boilers and Pressure Vessels</li> <li>▪ Roofing Sheets, Wall Cladding</li> <li>▪ Packaging Steel Drums/Tin Cans</li> </ul>

 Source: 13<sup>th</sup> Report on Status and Outlook of The Malaysian Iron and Steel Industry MISIF, 2018/2019

**Table 27: Performance of the iron and steel industry, 2015-2017**

Product	2015	2016	2017
	Million tonnes		
Production of crude steel	3.78	2.76	3.21
Production of finished steel	6.93	6.64	6.65
Imports: Total iron & steel products	7.92	9.14	8.01
Exports: Total iron & steel products	2.34	2.27	3.09
Apparent steel consumption	10.00	10.26	9.44

Source: MISIF, 2018/2019

Total Malaysian import of iron and steel products decreased by 12.4% to 8.01 million tonnes from 9.14 million tonnes in 2016. Meanwhile, Malaysian exports of iron and steel in 2017 products increased significantly by 36.1 % to 3.09 million tonnes from 2.27 million tonnes in 2016. The Apparent Steel Consumption (ASC) in 2017 decreased by 8.0% to 9.44 million tonnes from 10.26 million tonnes in the preceding year.

The Malaysian construction sector is the largest steel demand sector, consuming 69.2% of Malaysia's total apparent steel consumption. This was followed by motor vehicles (11.0%), industrial machinery (6.5%), electrical equipment (6.0%), metal products (3.8%), transportation (2.0%) and home appliances (1.5%) (MISIF, 2018/2019).

## EXTERNAL TRADE

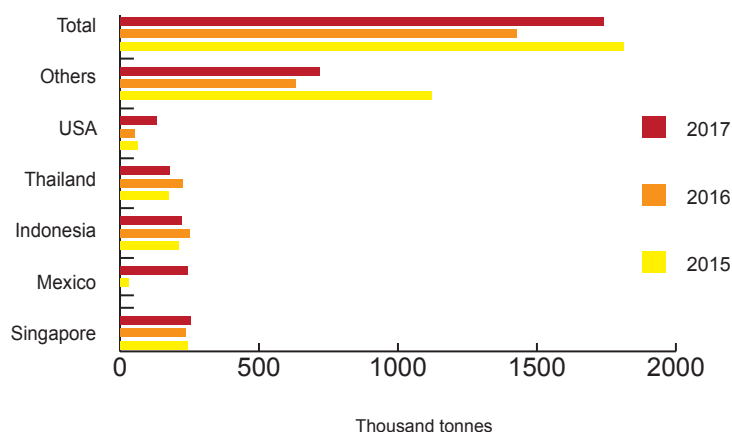
Trade of iron and steel products in Malaysia showed improvement since year 2015. In 2017, the trade increased by 21.8% worth RM34.34 billion from RM28.20 billion in the previous year. Malaysian exports of iron and steel products in terms of volume increased 22.1% to 1.74 million tonnes from 1.42 million tonnes in 2016 (Table 28). Singapore

was the highest export destination of iron and steel products. Exports to Mexico and USA increased tremendously by 712.4% and 145.6% respectively. Other major exports destinations were Indonesia and Thailand which showed a decline in exports by country (Figure 21).

Table 28: Exports and imports of iron and steel products, 2015-2017

Commodity	Trade	2015		2016		2017 <sup>p</sup>	
		Tonnes	Value (RM billion)	Tonnes	Value (RM billion)	Tonnes	Value (RM billion)
Iron & steel (SITC: 67)	Export	1,811,243	7.91	1,424,755	5.56	1,739,083	8.11
	Import	7,995,589	21.39	9,277,808	22.64	7,929,599	26.23

Source: External Trade Statistics 2017, DOSM

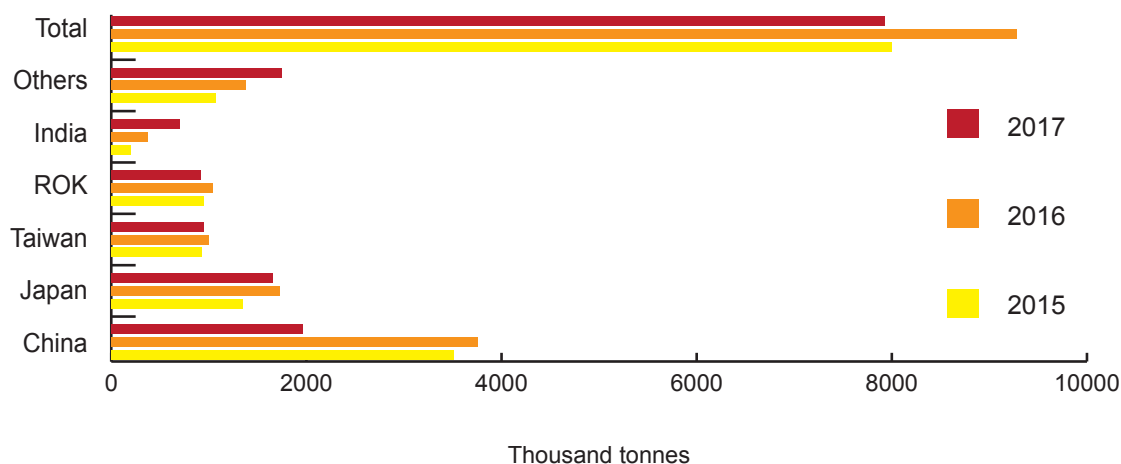


Source: External Trade Statistics 2017, DOSM

Figure 21: Exports of iron and steel products by country, 2015-2017

Meanwhile, imports of iron and steel products decreased 14.5% to 7.93 million tonnes from 9.28 million tonnes in 2016. Major import sources were China followed by Japan,

Taiwan and ROK albeit showing declines in imports by country. However, India showed an increase supply of iron and steel products for Malaysia domestic demand (Figure 22).



Source: External Trade Statistics 2017, DOSM

Figure 22: Imports of iron and steel products by country, 2015-2017

## 4.2

**ALUMINIUM-BASED INDUSTRY****REVIEW OF THE MALAYSIAN ALUMINIUM-BASED INDUSTRY**

In 2017, aluminium price witnessed a noticeable surge of 23% on the London Metal Exchange to an average of USD1,968 per tonne from USD1,593 per tonne in the previous year. The increase in aluminium price was mainly due to the Chinese government's, the world's largest producer of metal, forced their aluminium smelter to cut output by 30% regarding great concern of its environment. The production cuts resulted a shortfall in supply and with great demand for aluminium globally, boosting the aluminium prices.

Domestically, demand for aluminium-based industries increased significantly. Local aluminium players are seen to benefit from the recent booming aluminium market with dramatic increases in their share prices such as Press Metal Bhd., LB Aluminum Bhd., A-Rank Bhd., Aluminum Company Bhd. and Tong Herr Resources Bhd.

In Malaysia, generally top key players in the aluminium industry, namely Press Metal Bhd. and ALCOM Group recorded a significant rise in their annual financial revenue. Press Metal Bhd. achieved a new height for financial year 2017 revenue of RM8.17 billion, a significant 23% increase from

previous year. The substantial increase in revenue was principally attributable to higher aluminium price and higher production output generated by Samalaju Plant which achieved full production capacity since quarter 2016 (Annual Report Press Metal Bhd., 2017).

Meanwhile, ALCOM Group posted a revenue of 317.13 million for the financial year ending 31 March 2017, an increase of 10% as compared to the corresponding financial year ending 31 March 2016. The improved profitability was mainly attributed to the growth in coated fin shipment volumes, which increased by 41% over the last fiscal year as well as the weakening of the ringgit by about 4% on average in the financial year ended 31 March 2017 as compared to fiscal year end (FYE) 2016 besides low metal premiums also contributed positively towards the group's margins (Annual Report ALCOM Group, 2017).

The Malaysian aluminium industry can be divided into several main components as shown in Table 29. From the table, there were 66 aluminium-based product establishments throughout the country in 2017. The list of aluminium-based product establishments is shown in Appendix 18.



**Table 29: Aluminium-based product components and number of establishments by state, 2017**

Product Group	Product Component	Number of Establishments									
		Selangor	Perak	Pulau Pinang	Terengganu	Negeri Sembilan	Johor	Melaka	Sarawak	Sabah	Total
Aluminium-based products	Aluminium structural products	3	-	1	-	-	2	-	-	-	6
	Aluminium extrusions	7	-	1	-	1	-	1	-	-	10
	Aluminium ingots and Aluminium alloy ingots	2	1	-	-	-	1	1	1	-	6
	Aluminium foils and containers	2	2	1	-	-	1	2	1	-	9
	Aluminium billets	3	-	-	-	-	2	-	1	-	6
	Aluminium castings and die cast parts	3	-	-	-	-	2	-	-	-	5
	Others	13	3	1	1	1	5	1	1	-	27
TOTAL		33	6	4	1	2	13	5	4	-	69

Source: FMM, 2017 additional from reliable sources

## EXTERNAL TRADE

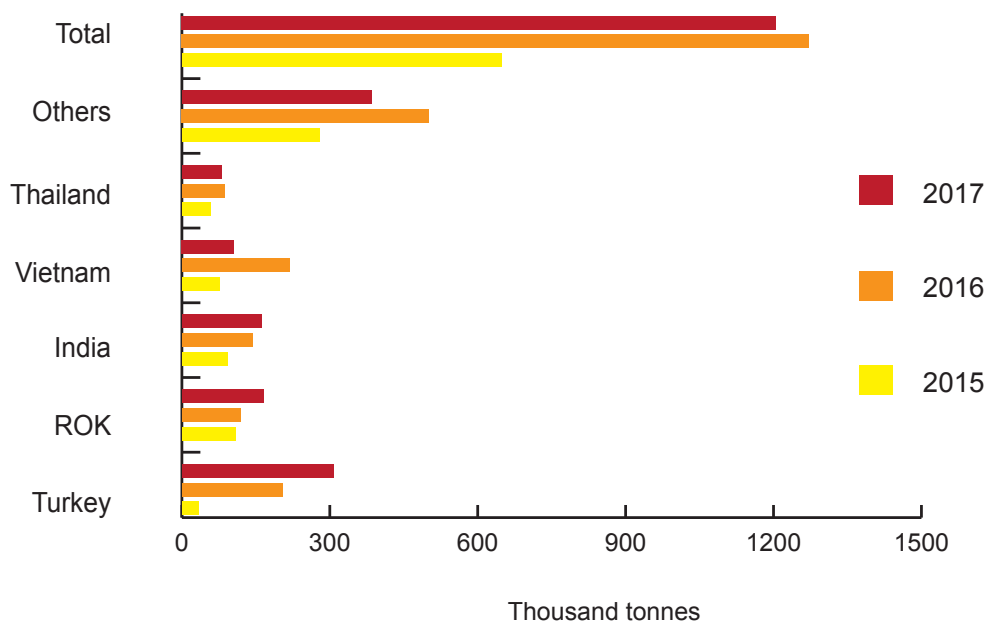
In 2017, Malaysian trade of aluminium-based products witnessed a better performance with increment by 13.3% in terms of value from the previous year benefited from higher aluminium price worldwide as well as stronger US dollar. Exports decreased slightly by 5.2% to 1.21 million tonnes worth RM10.67 billion

from 1.27 million tonnes valued at RM9.28 billion in 2016 (Table 30). The highest exports destinations with shown increment growth in exports were Turkey followed by ROK and India. However, another two major exports destinations namely, Viet Nam and Thailand showed a decline (Figure 23).

Table 30: Exports and imports of aluminium-based products, 2015-2017

Commodity	Trade	2015		2016		2017 <sup>p</sup>	
		Tonnes	Value (RM billion)	Tonnes	Value (RM billion)	Tonnes	Value (RM billion)
<b>Aluminium (SITC: 684)</b>	Export	648,985	5.39	1,271,585	9.28	1,205,179	10.67
	Import	750,333	6.84	588,889	5.56	578,288	6.15

Source: External Trade Statistics 2017, DOSM

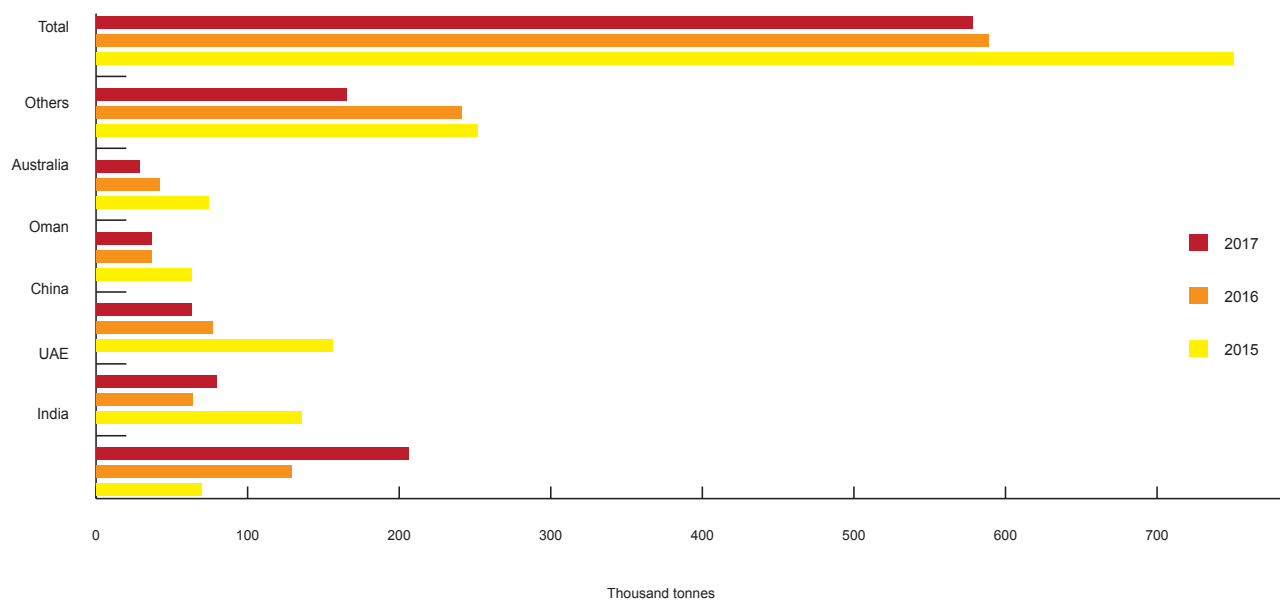


Source: External Trade Statistics 2017, DOSM

**Figure 23: Exports of aluminium-based products by country, 2015-2017**

During the year, imports of aluminium-based products in Malaysia decreased slightly by 1.8% to 578,288 tonnes worth RM6.15 billion from 588,889 tonnes worth RM5.56 billion in the previous year. The leading major sources of aluminium-based products

were India followed by UAE which registered a significant increment while China, Oman and Australia recorded decline growth in supplying the aluminium-based products (Figure 24).



Source: External Trade Statistics 2017, DOSM

**Figure 24: Imports of aluminium-based products by country, 2015-2017**

## 4.3

# TIN-BASED INDUSTRY

## REVIEW OF THE MALAYSIAN TIN INDUSTRY

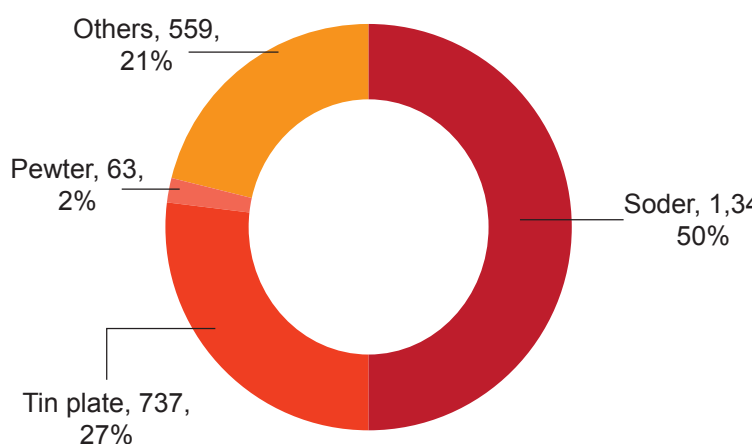
World mine production increased in tandem with demand from 352,000 tonnes in 2016 to 370,000 tonnes in 2017. Meanwhile, global tin consumption in 2017 stands around 382,000 tonnes annually decreased from 388,000 in 2016. Domestically, tin price in 2017 showed strong increment compared to the previous year due to robust demand for tin with decrease in supply. The average tin metal price in Kuala Lumpur Tin Market (KLTM) in 2017 surged to USD20,036 per tonnes from USD17,866 per tonnes in 2016 (Malaysian Tin Bulletin, 2018).

Malaysian tin-in-concentrates production in 2017 was 3,894 tonnes, a 6% decreased from the previous year. Meanwhile Malaysian refined tin production in 2017 amounted to 27,211 tonnes, increasing 1% from 26,849 tonnes in 2016.

In 2017, the total domestic consumption of tin metal by the tin-based industries surged

by 21% to 2,707 tonnes from 2,238 tonnes in the previous year. The consumption of tin by users in Malaysia was in solder (50%), tin plate (27%), pewter (2%) and other tin-based manufacturing industries (21%) as shown in Figure 25. The tin consumption by the solder industry increased to 1,348 tonnes from 1,314 tonnes, tin plate industry decreased to 737 tonnes from 750 tonnes, pewter industry decreased to 63 tonnes from 86 tonnes whereas tin metal consumption in other domestic manufacturing industry rose drastically to 559 tonnes from 88 tonnes recorded in 2016.

In 2017, according to FMM, there were 19 tin-based establishments in Malaysia. The number of tin metal and tin-based products manufacturers operating in the country by state is shown in Table 31 and list of producers is shown in Appendix 19.



Source: JMG & MSC Bhd., 2017

Figure 25: Tin metal consumption by usage, 2017



**Table 31: Tin-based product components and number of establishments by state, 2017**

Products Group	Product Component	Number of Establishments									
		Pulau Pinang	Perak	Selangor	WP Kuala Lumpur	Negeri Sembilan	Melaka	Johor	Sarawak	Sabah	Total
Tin-based products	Solder	-	1	2	-	-	-	-	-	-	3
	Pewter	-	-	-	2	-	-	-	-	-	2
	Tin ingots	1	-	-	-	-	-	-	-	-	1
	Tin plate	-	1	2	-	-	-	1	-	-	4
	Others (tin can)	1	-	7	-	-	-	1	-	-	9
Total		2	2	11	2	-	-	2	-	-	19

Source: FMM, 2017

The country's sole tin smelter located in Penang, MSC Bhd. announced a net profit of RM16.1 million on the back of revenue of RM1.4 billion in its Audited Financial Statements for the financial year ended 31 December 2017. Amid a challenging business climate in 2017, MSC remained resilient and for the first time in ten years, reported a profitable set of financial results

for two consecutive years. Stronger tin prices led to higher earnings contribution from the Group's tin mining division, however this was weighed down by losses at the Group's smelting operations. During the year, total output of refined tin to 27,172 tonnes, cementing its position as one of the three largest refined tin producers in the world (Annual Report MSC, 2017).

## External Trade

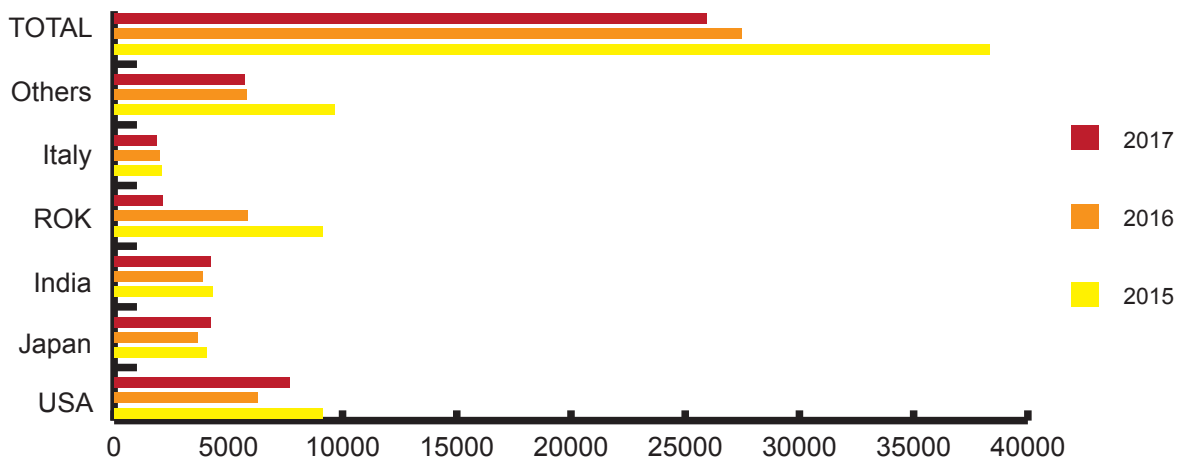
In 2017, Malaysian trade of tin metal recorded a significant growth amidst a recovery of global tin price. Nonetheless, exports of tin metal subdued by 5.6% to 25,920 tonnes in 2017 from 27,470 tonnes in 2016. The highest export destinations were USA followed

by Japan and India showing increasing of exports from Malaysia. ROK and Italy were the other major export destinations of Malaysian tin metal (Figure 26). Details of tin metal and tin-based products trading for 2015-2017 are shown in Table 32.

**Table 32: Exports and imports of tin metal and tin-based products, 2015-2017**

Commodity	Trade	2015		2016		2017 <sup>p</sup>	
		Tonnes	Value (RM million)	Tonnes	Value (RM million)	Tonnes	Value (RM million)
<b>Tin metal (SITC:687.110.000)</b>	Export	38,319	2,351.61	27,470	1,952.70	25,920	2,219.15
	Import	2,506	164.24	2,830	208.57	2,570	230.82
<b>Tin-based (SITC: 687)</b>	Export	40,789	2,511.72	31,159	2,157.02	30,501	2,453.51
	Import	5,821	376.24	6,313	485.68	11,093	803.05

Source: External Trade Statistics 2017, DOSM

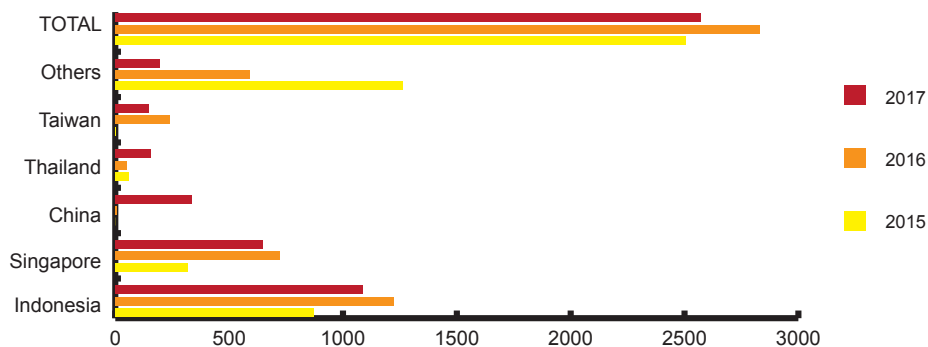


Source: External Trade Statistics 2017, DOSM

**Figure 26: Exports of tin metal, 2015-2017**

Likewise, Malaysian import of tin metal decreased by 9.2% to 2,570 tonnes worth RM230.82 million in 2017 from 2,830 tonnes worth RM208.57 million in 2016. Despite

recording a decrease supply of tin metal, Indonesia remained as Malaysian leading major import source followed by Singapore, China, Thailand and Taiwan (Figure 27).

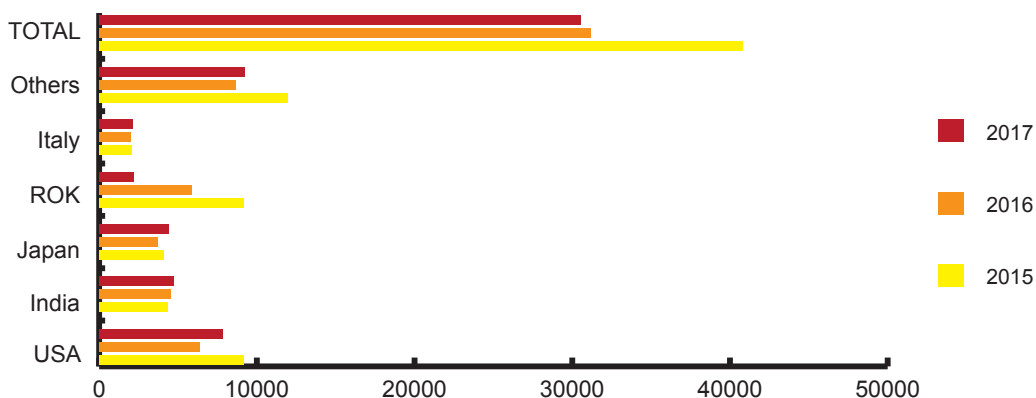


Source: External Trade Statistics 2017, DOSM

**Figure 27: Imports of tin metal, 2015-2017**

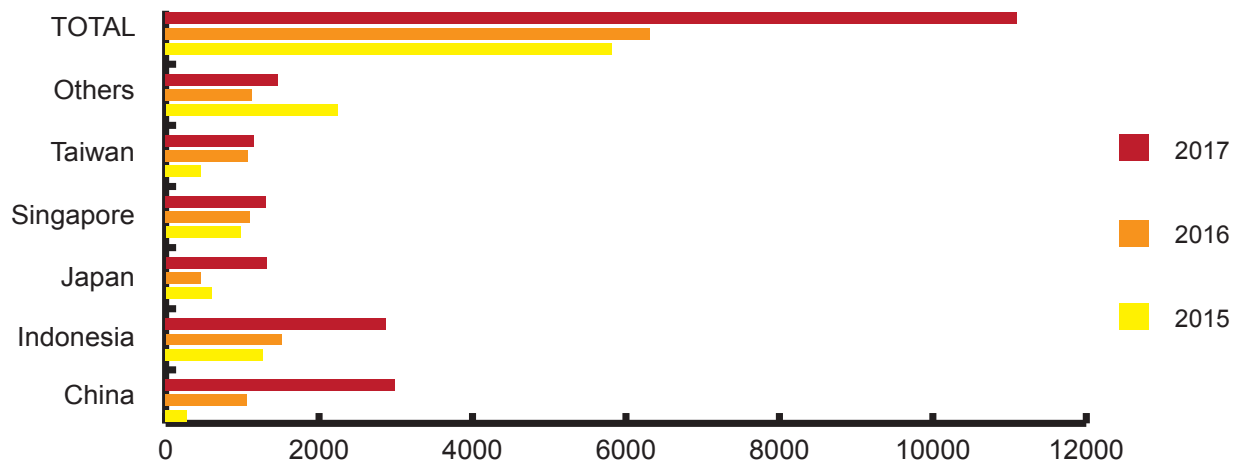
In 2017, tin-based products were traded with stellar performance expanding by 23.2% to reach RM3.26 billion compared to RM2.64 billion in the previous year. Meanwhile, exports of tin-based products in 2017 declined by 2.1% to 30,501 tonnes worth RM2.45 billion from 31,159 tonnes worth RM2.16 billion in the previous year. The major export destinations were USA, India, Japan and Italy which all recorded an increment in exports from Malaysia except for ROK (Figure 28).

On the other hand, imports of tin-based products in 2017 surged drastically by 75.7% to 11,093 tonnes worth RM803.05 million compared with 6,313 tonnes worth RM485.68 million in 2016. During the year, Malaysian imports grew from all the major import sources include China, Indonesia, Japan, Singapore and Taiwan (Figure 29).



Source: External Trade Statistics 2017, DOSM

**Figure 28: Exports of tin-based products, 2015-2017**



Source: External Trade Statistics 2017, DOSM

**Figure 29: Imports of tin-based products, 2015-2017**

## 4.4

# COPPER-BASED INDUSTRY

## REVIEW OF THE MALAYSIAN COPPER-BASED INDUSTRY

In 2017, the world copper mine production declined to 19.7 million tonnes with the average copper price on the LME market were USD6,166 per tonne. The lowest price recorded for the year was during the month of May at USD5,593 per tonne while the year's highest price level at USD6,828 per tonne was during the month of November. The International Copper Study Group projected that global refined copper consumption would be approximately 24 million tons in 2017, slightly more than the global refined production. Production and consumption of refined copper were expected to rise slightly compared with those in 2016, whereas mine production was estimated to decline slightly owing to supply disruptions at multiple leading copper mines, lower ore grades, and a general lack of new projects and mine expansions (Mineral Commodity Summaries 2018, USGS).

The copper industry plays an important role to the global economy. Malaysian copper industry consists of manufacturing fabricated

products such as tubes, foils, pipes and wire. In this report, the copper production data was not available and solely based on the commodity trade data.

Malaysian copper-based products can be broadly divided into four groups based on products types as follows:

- i. Wire / bare wire / enamelled wire
- ii. Rods / bars
- iii. Tubes / pipes
- iv. Foils
- v. Others (ingot, strips, flakes, conductor, anode, alloy, tank, cable, harness and insulated)

Based on the FMM directory, there were 40 companies involved in the production of copper-based products in the country as listed in Appendix 20 compared with 44 companies in the previous year. The number of copper-based products manufacturers according to states is shown in Table 33.



**Table 33: Copper-based product components and number of establishments by state, 2017**

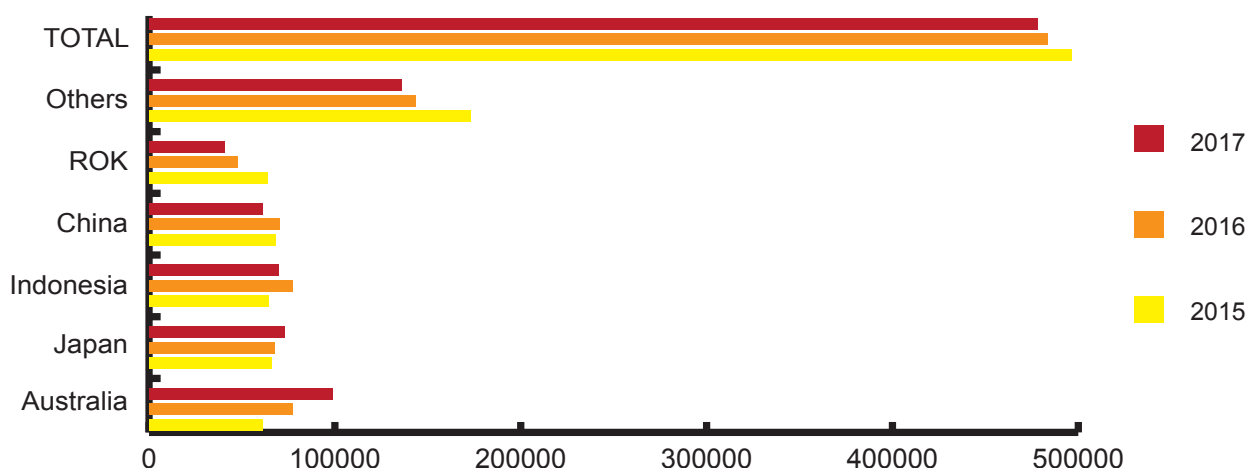
Product Group	Product Component	Number of Establishments							
		Selangor	WP Kuala Lumpur	Perak	Pulau Pinang	Pahang	Johor	Melaka	Total
Copper-based products	Copper wire/bare copper wire/enamelled copper wire	3	-	-	-	1	3	2	9
	Copper tubes	2	-	-	-	-	-	-	2
	Copper rods	1	-	-	-	-	1	-	2
	Copper foils	1	-	-	-	-	-	-	1
	Others	9	3	1	3	-	8	2	26
TOTAL		16	3	1	3	1	12	4	40

Source: FMM, 2017

**EXTERNAL TRADE**

Malaysian trade of copper showed a strong performance in 2017 which grew by 27.4% to achieve RM22.59 billion compared to RM17.72 billion in the previous year. Exports of refined copper in 2017 increased slightly by 5.6% to 350,052 tonnes worth RM9.08

billion from 331,654 tonnes worth RM6.94 billion in 2016 (Table 34). Major export destinations which showed increased supply of refined copper were China, India, Japan and Australia except Singapore (Figure 30).



Source: External Trade Statistics 2017, DOSM

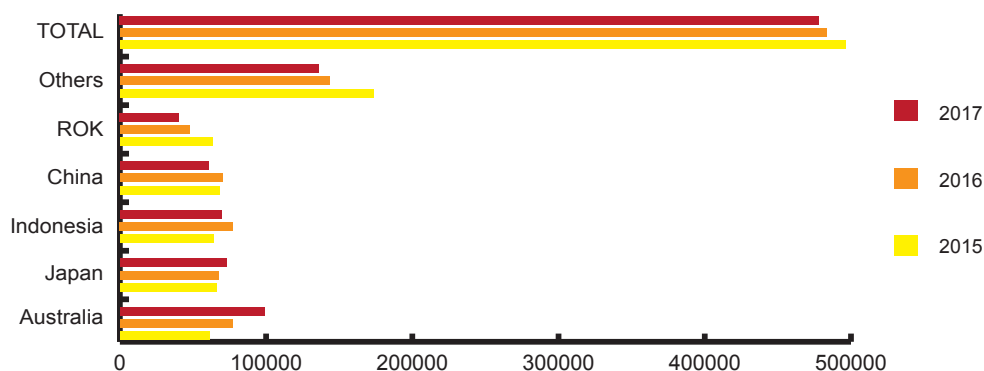
Figure 30: Exports of copper-based products by country, 2015-2017

Table 34: Exports and imports of copper-based products by country, 2015-2017

Commodity	Trade	2015		2016		2017 <sup>p</sup>	
		Tonnes	Value (RM billion)	Tonnes	Value (RM billion)	Tonnes	Value (RM billion)
<b>Copper-based (SITC: 682)</b>	Export	302,645	7.00	331,654	6.94	350,052	9.08
	Import	496,151	11.68	483,344	10.79	478,169	13.50

Source: External Trade Statistics 2017, DOSM

Nevertheless, total imports of copper-based products in 2017 declined slightly by 1.1% to 478,169 tonnes compared to previous year with 483,344 tonnes. Major import sources of copper-based products in 2017 were from Australia and Japan showing increasing supply while Indonesia, China and ROK recorded decreasing supply to Malaysia (Figure 31).



Source: External Trade Statistics 2017, DOSM

Figure 31: Imports of copper-based products by country, 2015-2017











# APPENDICES

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# Appendix 1: Clay Bricks Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (27 MANUFACTURERS)				
1	Batu Bata Hupe Soon Sdn. Bhd.	81, Bt. 55½, Jln. Johor, 86100 Air Hitam, Johor	Tel: 07-7581463	Clay Brick
2	Batu Bata Kah Wee Sdn. Bhd.	Bt. 1½, Jln. Kangkar Senangar, 83500 Parit Sulong, Johor	Tel: 07-4187225/ 5946/ 6180/ 8960 Fax: 07-4186180	Clay Brick
3	Batu-Bata Muar Sdn. Bhd.	Bt. 35¼, Jln. Air Hitam, 81000 Kulai, Johor	Tel: 07-6611120	Clay Brick
4	Bkt. Batu BrickMills Sdn. Bhd.	Bkt. Batu, Johor	Tel : 07-6512168, Fax: 07-6512169	Clay Brick
5	Brick Dotcom (Johor) Sdn. Bhd.	Lot 303, Jln. Segamat, 85300 Segamat, Johor	Tel: 07-9279199 Fax: 07-9270788	Clay Brick
6	Chip Heng Brick Industry (M) Sdn. Bhd.	Factory: Lot 323, Jln. Gelang Patah, Bt. 15, 81120 Gelang Patah, Johor Office: 49/49A, Jln. Inang 1, Tmn. Skudai, 81300 Johor Bahru, Johor	Tel: 07-5103933/133 Fax: 07-5103922	Clay Brick/ Solid
7	ClayBricks & Tiles Sdn. Bhd.	Factory: Bt. 5, Jln. Mawai, 81900 Kota Tinggi, Johor Office: 15A & B, Jln. Kuning Dua, Tmn. Pelangi, 80400 Johor Bahru, Johor	Tel: 07-3315003 Fax: 07-8816070	Clay Brick/ Block/ Facing/ Bricks/ Paver
8	Deluxe Premium Bricks Sdn. Bhd	Factory: Lot 225, Jln. Kg. Tui, Bkt. Kepong, 84030 Muar, Johor	Tel: 06-9710797 Fax: 06-9710796	Clay Brick
9	Gian Shing Kilang Batu Bata Sdn. Bhd.	Factory: Bt. 55, Jln. Johor, Air Hitam, Johor Office: 43E, Jln. Mangga Kassipillay, Off Jln. Ipoh, 51200 K.L	Tel: 06-7581159 (F) 03-40412382 (O) Fax: 07-4436735 (F) 03-40430291 (O)	Clay Brick
10	Great Wall Brick Work (M) Sdn.Bhd.	Lot 4642, Bt. 5, Jln. Kampong Sawah, 81500 Pekan Nenas, Johor	Tel: 07-6994724/5 Fax: 07-6991285/07-6994724/4725	Clay Brick
11	Hap Seng Clay Products Sdn. Bhd. (Hock Lam Batu Bata Sdn. Bhd.)	Bt. 36, Jln. Air Hitam, 81000 Kulai Jaya, Johor	Tel: 07-6512325 Fax: 07-6511046	Clay Brick

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
12	Hoe Guan Brickworks Sdn. Bhd.	Factory: Bt. ¼, Jln. Kluang, 86100 Air Hitam, Johor Office: 11-12, Jln. Tengku Mahkota Ismail, 86000 Kluang, Johor	Tel: 07-7581013 Fax: 07-7712671	Clay Brick
13	Jementah Batu Bata Sdn. Bhd.	Factory: Bt. 12, Jln. Segamat, Jementah, 85000 Segamat, Johor Office: No. 12, Jln. Kiambang Off Jln. Genuang, 85000 Segamat, Johor	Tel: 07-9313639 Fax: 07-9311520	Clay Brick
14	Kangkar Raya Batu Bata Sdn. Bhd. (Subsidiary Of Kia Lim Berhad)	Factory: Bt. 1½, Jln. Kangkar Senangar, 83500 Parit Sulong, Johor Office: Wisma Ng. Hoo Tee, 79, Jln. Muar, 83500 Parit Sulong, Johor	Tel: 07-4186230/49 Fax: 07-418751	Clay Brick/ Clay Roofing
15	Kian Leong Brickworks Sdn. Bhd.	Factory: Bt. 4, Jln. Gemang, Segamat, Johor Office: P.O Box, 26-C, Bkt. Siput, 85020 Segamat, Johor	Tel: 07-9434294/59 Fax: 07-9431180	Clay Brick
16	MayBricks Sdn. Bhd.	No. 6451, Bt. 36, Bkt. Batu, Jln. Air Hitam, 81000, Kulai, Johor	Tel: 07-6511022/07-6511186/2210 Fax: 07-6512818	Clay Brick
17	Nam Mah Brick Makers Sdn. Bhd.	Lot 2884, Bt. 23½, Jln. Pontian - Johor Bahru, Ulu Choh, 81500 Pekan Nanas, Johor	Tel: 07-6991908 Fax: 07-6994479	Clay Brick
18	Nice Brick Sdn. Bhd.	Bt. 55 ½, Jln. Johor, Ayer Hitam, Simpang Renggam, Johor	Tel: 07-7582278	Clay Brick
19	Oriental Brick Works Sdn. Bhd.	Factory: Lot 3334, Bt. 13, Jln. Labis, Tenang, 85030 Segamat, Johor Office: Suite 8-01, Wisma Sia Her Yam, Jln. Ros, 85000 Segamat, Johor	Tel: 07-9279729(F) 07-9311101(O) Fax: 07-9311122	Clay Brick
20	Perniagaan Chip Seng	Lot 172, Jln. Kota Tinggi, Johor	Tel: 019-7794785	Clay Brick

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
21	Seng Lee Brickworks (M) Sdn. Bhd.	86, Bt. 8, Jln. Batu Pahat, P.O. Box 50, Kluang, Johor	Tel: 07-7595880/6796 Fax: 07-7597753	Clay Brick
22	Sykt. Hanura Sdn. Bhd.	Bt. 6, Jln. Muar, Parit Ya'ani, 83710 Yong Peng, Johor	Tel: 07-4846333 Fax: 07-4846753	Clay Brick
23	Sykt. Kia Lim Kilang Batu Bata Sdn. Bhd. (Subsidiary of Kia Lim Berhad)	Factory: Bt. 1½, Jln. Kangkar Senangar, 83500 Parit Sulong, Johor Office: Wisma Ng. Hoo Tee, 79, Jln. Muar, 83500 Parit Sulong, Johor	Tel: 07-4186230/49 Fax: 07-4187517	Clay Brick/ Pavers/ Facing Bricks/ Block
24	Unipertiwi Sdn. Bhd.	Batu 8, Jln. Batu Pahat, 86007 Kluang	Tel : 07-7596796 , Faks : 07-7597753	Clay Brick
25	Wawasan Batu-Bata Sdn. Bhd.	148, Bt. 1½, Jln. Buloh Kasap, 85000 Segamat, Johor	Tel: 07-9371386	Clay Brick
26	Yong Peng Batu Bata Berhad.	Bt. 6, Jln. Muar, Parit Ya'ani, 83710 Yong Peng, Johor	Tel: 07-4846888 Fax: 07-4846999	Clay Brick
27	Zong Ke Bricks Sdn. Bhd.	PTD 7923 & 7924, Batu 35 ½, Jln. Johor - Air Hitam, 81000 Kulai, Johor	Tel: 016-3190156	Clay Brick
STATE: KEDAH (4 MANUFACTURERS)				
28	Lee Boon Brickworks Sdn. Bhd.	Factory: Lot 3139, Pokok Tai, Jenun, Pendang, Kedah Office Address: 15/12, Tmn. Gurun Jaya, 08300 Gurun, Kedah	Tel: 04-4686466 F ax: 04-4686466	Clay Brick
29	Pin Long Brickworks Sdn. Bhd.	127-A, Sg. Seluang Bawah, Lunas, Kulim, Kedah	Tel: 04-4844272	Clay Brick
30	Shin Teong Lee Brick Ind. Sdn. Bhd.	Factory: Lot 1622 & 1624, Ekor Kucing, 09400 Padang Serai, Kedah Office: 338-D, Jln. K. Ketil, 08000 Sg. Petani, Kedah	Tel: 04-4212140 Fax: 04-4852418	Clay Brick

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
31	Teh Ban Huat Brickworks	Factory: Lot 2390, Sidam Kiri, 09400 K. Muda, Kedah Office: 2390, Sidam Kiri, 09400 K. Muda, Kedah	Tel: 04-4850377 Fax: 04-4850377	Clay Brick
STATE: PENANG (2 MANUFACTURERS)				
32	Kim Ma Supertiles Sdn. Bhd.	Factory: 918, Guar Petai, Padang Menora, Tasik Gelugor, P. Pinang Office: 110, 1st Floor, 44 Jln. Limbongan, Off Jln. Chain Ferry 12100 Butterworth, P. Pinang	Tel: 04-5733761	Clay Brick
33	Seng Sun Sdn. Bhd.	Factory/Office: 1235, Jln. Bkt. Panchor, Sg. Kecil, 14300 Nibong Tebal, Seberang Perai Selatan, P. Pinang	Tel: 04-5931129	Clay Brick
STATE: KELANTAN (10 MANUFACTURERS)				
34	Bata Bumi Enterprise	Kg. Padang Raja, Melor, Kota Bharu, Kelantan	Tel: 09-7833727	Clay Brick
35	Ho Brother Brick Supply	Factory: Lot 3950 Jln., Stapunal, Batu Jong, 18000 K. Krai		Clay Brick
36	Intisari Asia Batu Bata (M) Sdn. Bhd.	Kg. Muka Bkt., Machang, Kelantan	Tel: 019-9113977	Clay Brick
37	KB Interlokin Brick	Kg. Sg. Baru, Pengkalan Chepa, Kota Bharu, Kelantan	Tel: 09-774 3266	Clay Brick
38	Kelclay Factory	1863, Kg. Seterpa, Banggu, Kota Bharu, Kelantan	Tel: 09-7654753	Clay Brick
39	Kilang Bata Che Kob Mohamad	Kg. Kok Pasir, 16200 Tumpat, Kelantan	Tel: 019-9424829	Clay Brick
40	Kilang Bata Muhammad Hj. Yusoff	Kg. Masira, Wakaf King, 16200 Tumpat, Kelantan	Tel: 019-9374399	Clay Brick
41	Kraf Atap Singhora (Perusahaan Che Jah Bt. Ab. Rahman)	Kg. Pengkalan Baru, Tawang, Bachok, Kelantan		Clay Brick/ Roofing Tiles
42	Swee Hoe Brick Works Sdn. Bhd.	Factory: Batu Jong, Office: Lot 118 Mkm. K. Nal, Daerah Mengekebang, 18000 K. Krai		Clay Brick



No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
43	Sykt. Collin Engineering	Lot Pt. No. 189-192, S/22, Jln. K. Krai, Kota Bharu, Kelantan	Tel: 09-7894743	Clay Brick
STATE: MELAKA (1 MANUFACTURER)				
44	Original Clay Industries Sdn. Bhd.	Lot 2614, Mkm. Off Kesang, Kesang Pajak, Alor Gajah, Melaka	Tel: 06 – 5296103/012-7735389 Fax: 06 – 5296104	Clay Brick
STATE: NEGERI SEMBILAN (7 MANUFACTURERS)				
45	Buka Mata Bata Bata Sdn. Bhd.	Bt. 6½, Jln. Rompin, Kg. Klebang, Bahau, Jempol, Negeri Sembilan	Tel: 06-4554100	Clay Brick
46	Kilang Batu Bata Tanah Mas Sdn. Bhd.	PT 2370, Jln. Ulu Juasseh, Kg. Sri Jemapoh, 72000 K. Pilah, Negeri Sembilan	Tel: 06-4811669	Clay Brick
47	Leong Huat Brickworks Sdn. Bhd.	Bt. 2, Jln. Seremban - Port Dickson, Port Dickson, Negeri Sembilan	Tel: 06-6511461	Clay Brick
48	NS Cements Sdn. Bhd.	Lot. 3323, Mkm. Kepis, K. Jelai, 72100 Bahau, Negeri Sembilan	Tel: 06-4532401	Clay Brick
49	Power Bricks Sdn. Bhd.	Lot 266, Bt. 35½, Jln. Pahang, Batu Kikir, Negeri Sembilan		Clay Brick
50	Syarikat Batu Bata Tenai	Factory: Jln. Ayer Kuning, Gemencheh, Negeri Sembilan Office: No. 23-1, Bt. 15, Jln. Buluh Kasap, Segamat, Johor	Tel: 06-4316202	Clay Brick
51	Thai Huai Brickworks Sdn. Bhd.	Lot 495, Bt. 4, Jln. Jelebu, 71770 Seremban, Negeri Sembilan	Tel: 06-67623306	Clay Brick
STATE: PAHANG (8 MANUFACTURERS)				
52	Bee Leong Brickworks Sdn. Bhd.	Factory: Bkt. Sagu Kuantan, Pahang Office: A - 783, Jln. Teluk Sisek, 25000 Kuantan, Pahang	Tel: 09-5680288 Fax: 09-5384872	Clay Brick

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
53	Deluxe Brickworks Sdn. Bhd.	Factory: Lot 1442, Kg. Sang Lee, Tras, Raub, Pahang Office: 21-1, Jln. Tiara 3, Bandar Baru, 41150 Klang, Selangor	Tel: 03-3343309/09-3615448 Fax: 03-33433211	Clay Brick
54	Hap Seng Clay Products Sdn. Bhd.	Lot 2F, Kaw. Perindustrian Gebeng Fasa 3, Kampung Baru Gebeng, Mkm. Sungai Karang, 26080 Kuantan	019-92096062 019-9209152	Clay Brick
55	Kilang Batu Bata Hap Kee Sdn. Bhd.	Bt. 18, Jln. Manchis Karak, Sri Telemong, 28620 Bentong, Pahang	Tel: 016-2119870 Fax: 016-3290971	Clay Brick
56	Kilang Batu Bata KYH Sdn. Bhd.	Bt. 7 Jln. Karak, 28400 Mentakab, Pahang	Tel: 09-2771815 Fax: 09 -2773082	Clay Brick
57	Kim Lian Thong Industries Sdn. Bhd.	Bt. 3, Jln. Kubur China, Teriang, Pahang Office: 12, Jln. J, Tmn. Batu, Off Jln. Kuching, 52000 K.L	Tel: 09-2556036	Clay Brick
58	Parksim Bricks Sdn. Bhd.	Lot 2116, Batu 9, Jln. Karak, Sg. Kepong 28500 Lanchang PIT: Bt. 9 Jln. Karak, 28400 Mentakab	09-28031228	Clay Brick
59	Syarikat Kilang Batu Bata Chan Seong Corporation Sdn.Bhd.	Bt. 58 Jln. Kuantan, 27000 Jerantut, Pahang	Tel: 09-2662243 Fax: 09-2665115	Clay Brick
<b>STATE: PERAK (8 MANUFACTURERS)</b>				
60	JTI Sdn. Bhd.	Lot 65294, Bt. 5, Jln. Gopeng - Batu Gajah, Kg. Pengkalan Baru, 31300 Kg. Kepayang, Perak	Tel: 05-3663041 Fax: 05-3651168	Clay Brick
61	Kilang Batu Bata Serbaneka Sdn. Bhd.	Lot 21158, Bt. 25, Jln. Jalong Tinggi, 31100 Sg. Siput, Perak	Tel: 05-2419693 Fax: 05-2535988	Clay Brick
62	ML Brickworks Sdn. Bhd.	PT 1160, Kg. K. Bikam, Jln. Bidor - Teluk Intan, 35500 Bidor, Perak	Tel: 05-4272829 Fak: 05-2018833	Clay Brick
63	Seng Hwa Brick Kiln Sdn. Bhd.	Lot 4003, Kg. Salak Station, 31050 Sg. Siput, Perak	Tel: 05-7576340 Fax: 05-7577902	Clay Brick
64	Sin Thow Joo Brickworks Sdn. Bhd.	Lot 226283, Persiaran 2, Tmn. Mas, Hulu Chepor, 31200 Chemor, Perak	Tel: 05-2018888 Fax: 05-2018833	Clay Brick

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
65	Teh Chin Hock & Brothers Sdn. Bhd.	Bt. 39½, Jln. Beruas - Ayer Tawar, Kg. Tengah, 32400 Beruas, Perak	Tel: 05-8085460 Fak: 05-8086846	Clay Brick
66	Thow Joo Brickworks Sdn. Bhd.	Bt. 8¾, Jln. K. Kangsar, 31200 Chemor, Perak	Tel: 05-2012688 Fax: 05-2012568	Clay Brick
67	Xin Gu Non Burnt Bricks Sdn. Bhd.	Lot 70528, Mkm. Belanja, Daerah Kinta 31000 Batu Gajah, Perak	Tel: 05-2412969 Fax: 05-2536910	Clay Brick
STATE: SABAH (8 MANUFACTURERS)				
68	Hap Seng Clay Products Sdn. Bhd.	KM22, Jln. Tuaran, Kg. Bkt. Giling, 88450 Kota Kinabalu, Sabah	Tel: 088-490482 Fax: 088-492645	Clay Brick
69	Keningau Bricks Sdn. Bhd.	Factory: Bt. 22, Jln. Tenom-Keningau, Sabah Office: LHC Shell Locked Bag 13, SM123, 89009 Keningau, Sabah	Tel: 087-303697 Fax: 087-336041	Clay Brick
70	Kien Nan Industrial Co. Sdn. Bhd.	Factory: KM27, Jln. Papar Lama, Kawang Papar, Sabah Office: 87, Gaya Street, 88000 Kota Kinabalu or P.O. Box 11271, 88814 Kota Kinabalu, Sabah	Tel: 088-221177/ 088-750084 Fax: 088-221527	Clay Brick
71	Ng Sian Hap Trading (Sabah) Sdn. Bhd.	KM29, Kg. Bakut, Jln. Tuaran, 89208 Tuaran, Sabah	Tel: 088-788460 Fax: 088-788168	Clay Brick
72	Sin On Tikau Brick Factory Sdn. Bhd.	KM3.8, Jln. Tanjung Batu Laut, 91000 Tawau, Sabah	Tel: 089-764499 Fax: 089-911302	Clay Brick
73	Solotrak Industries Sdn. Bhd. (Kilang Batu Bata Papar)	Factory: PL12233, KM25, Jln. Lama Penampang - Papar, Papar, Sabah Office: Lot 9, 2nd. Floor, Block A, Plaza Grand Millenium, Jln. Pintas Penampang, 88200 Penampang, Sabah	Tel: 088-731878 Fax: 088-731879	Clay Brick
74	Teck Guan Industries Sdn. Bhd.	Factory: KM44, Jln. Tawau - Kunak, Sabah Office: P.O. Box 33, 91007 Tawau, Sabah	Tel: 089-775566 Fax: 089-769955	Clay Brick
75	Tiong Cheong Brick Sdn. Bhd.	Factory: Kg. Bakut, Bt. 18, Jln. Tuaran, Sabah Office: P.O. Box 952, 89207 Tuaran, Sabah	Tel: 088-788591/793482 Fax: 088-793526	Clay Brick

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: SARAWAK (36 MANUFACTURERS)				
76	Adat Tiara Sdn. Bhd.	Bt. 5, Jln. Oya, 9600 Sibu, Sarawak	Tel: 012-8988198	Clay Brick
77	Alat Binaan dan Bata Lawas	Tingkat 1, Lot 435, Bt. ¼, Jln. Trusan, 98850 Lawas, Sarawak	Tel: 085-283565 Fax: 085-285564	Clay Brick
78	Bintangor Brickworks Co.	No. 18, Jln. Wharf, 96500 Bintangor, Sarawak	Tel: 019-8869733	Clay Brick
79	Blooming Way Sdn. Bhd.	Lot 262, 2nd Floor, South Yu Sang Road, P.O. Box 1654, 98008 Miri, Sarawak	Tel: 085-411553	Clay Brick
80	Chieng Sons Brick Works Sdn. Bhd.	No. 4, Jln. River, 98000 Miri, Sarawak		Clay Brick
81	Encoplex Sdn. Bhd.	Lot 830, Km. 1, Jln. Pakan, 96100 Sarikei, Sarawak	Tel: 013-8448198	Clay Brick
82	Gilang Gemilang Batu-Bata Enterprise	Tingkat 2, No. 20, Jln. Apollo, 96000 Sibu, Sarawak	Tel: 084-329968	Clay Brick
83	Huat Hing Enterprise Co.	No. 1G, Lrg. Gelama 4C, 96000 Sibu, Sarawak	Tel: 019-8869733	Clay Brick
84	Jin Lin Brick Works Sdn. Bhd.	7½ Mile, Bintulu - Miri Road, P.O. Box 1654, 97000 Bintulu, Sarawak	Tel: 086-391102	Clay Brick
85	Jing Huat Brick (Miri) Sdn. Bhd.	Tingkat 2, Lot 1986, Jln. Lambir, 98000 Miri, Sarawak	Tel: 085-406143	Clay Brick
86	Jong Jun Hieng Enterprise Sdn. Bhd.	No. 538, Kg. Tg. Durian, Siniawan, 94000 Bau, Sarawak	Tel: 082-699830	Clay Brick
87	Ju Tak Enterprise Sdn. Bhd.	Jln. Mahsuri, Lrg. Chew Siik Hiong 3, 96000 Sibu, Sarawak	Tel: 084-216750 Fax: 084-216750	Clay Brick
88	Jung Kuo Sdn. Bhd.	No. 45-47, Jln. Tun Ahmad Zaidi Adruce, 93400 Kuching, Sarawak	Tel: 016-8868096 Fax: 082-413529	Clay Brick
89	Kim Poh Brick Works Sdn. Bhd.	P.O. Box 2785, 93754 Kuching, Sarawak	Tel: 082-868628 Fax: 082-868626	Clay Brick
90	Kitang Brick Work Sdn. Bhd.	Lot 2684, 1934, Tg. Durian, Bt. 13½, Jln. Kuching - Bau, 94000 Bau, Sarawak	Tel: 082-382166 Fax: 082-382166	Clay Brick



No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
91	Kitang Cons. Sdn. Bhd.	Lot 3302, Bt. 11½, Jln. Ulu Oya, 96000, Sibul, Sarawak	Tel: 012-8889957	Clay Brick
92	Kwong Yung Brick Factory Sdn. Bhd.	Km. 6, Jln. Bintangor - Kelupu, 96500 Bintangor, Sarawak	Tel: 084-336306 Fax: 084-336360	Clay Brick
93	Li Nguon Bricks Factory Sdn. Bhd.	P.O. Box 261, 93704, Kuching, Sarawak	Tel: 082-699104 Fax: 082-699104	Clay Brick
94	Maliya JBrick Sdn. Bhd.	Lot 154A, Blok 226, Bt. 4 ½, Jln. Penrissen, 93250 Kuching, Sarawak	Tel: 082-454849	Clay Brick
95	Mokpo Brick (Kuching) Sdn. Bhd.	No. 255, Lot 2556, Block 1D, Lrg. 1, Off Jln. Rock, Central Park Commercial Centre 93250, Kuching, Sarawak	Tel: 082-615351	Clay Brick
96	Mokpo Brick (Serian) Sdn. Bhd.	No. 255, Lot 2556, Block 1D, Lrg. 1, Off Jln. Rock, Central Park Commercial Centre, 93250, Kuching, Sarawak	Tel: 082-867899 Fax: 082-867885	Clay Brick
97	Mokpo Brick (Sibu) Sdn. Bhd.	Tingkat 1, No. 51, Pusat Tanah Wang, Jln. Pedada, 96000 Sibu, Sarawak	Tel: 084-366061	Clay Brick
98	Oil City Ind. Co.	Lot 51, Km. 1, Jln. Lutong - K. Baram, 98007 Miri, Sarawak	Tel: 085-663677 Fax: 085-659477	Clay Brick
99	Prime Harmony Sdn. Bhd.	P.O. Box A1181, 93824 Kuching, Sarawak	Tel: 082-381209	Clay Brick
100	Renhome Brick Factory	Lot 187, Section 47, Jln. Song Thian Cheok, 93100 Kuching, Sarawak	Tel: 082-381718 Fax: 082-381718	Clay Brick
101	Simanggang Brick Factory Co.	P. S. 98, 95007 Sri Aman, Sarawak	Tel: 083-322557	Clay Brick
102	Solid Brickworks Mukah Co.	53, Tingkat 2, Pusat Tanahwang, Jln. Pedada, 96000 Sibu, Sarawak	Tel: 084-345625 Fax: 084-318303	Clay Brick
103	Standard Bricks Sdn. Bhd.	Lot 5895, Km. 10, Jln. Bintulu - Miri, P.O.Box 406, 97008 Bintulu, Sarawak	Tel: 0197142222	Clay Brick
104	Sun Liang Industry Sdn. Bhd.	Tingkat 1, Lot 1433, Lrg. 5, 98000 Krokop, Miri, Sarawak	Tel: 016-8707701	Clay Brick

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
105	Sungai Pinang Bricks Factory Sdn. Bhd.	Tingkat Bawah, Lot 5683, Kwong Ming Park, Jln. Pending, 93450 Kuching, Sarawak	Tel: 082-342166 Fax: 082-330166	Clay Brick
106	Sykt. Kilang Batu Bata Wah Kheng Han	P. S. 233, 95008 Sri Aman, Sarawak	Tel: 083-322982 Fax: 083-322982	Clay Brick
107	Tak Hui Industrial Sdn. Bhd.	No. 28B, Lrg. 4, Jln. Taho, 96000 Sibul, Sarawak	Tel: 084-326299	Clay Brick
108	Top Edges Brick Factory Sdn. Bhd.	Kg. Lambuak, Jln. Tedungan, 98700 Limbang, Sarawak	Tel: 085-211319 Fax: 085-238502	Clay Brick
109	Vastor Enterprise (Sarawak) Sdn. Bhd.	Sublot 11, Off Parent, Lot 271, Block 32, Kemena Land District, 97000 Bintulu, Sarawak	Tel: 016-8707369	Clay Brick
110	Yong Kiong Industrial Corp. Sdn. Bhd.	Lot 1225, Sg. Rait, Bakam, 98000 Miri, Sarawak	Tel: 019-8156755	Clay Brick
111	Yuan Hua Brick Supplier	Jln. Merutun - Baji, 96100 Sarikei, Sarawak	Tel: 083-322982 Fax: 083-322982	Clay Brick
<b>STATE: SELANGOR (11 MANUFACTURERS)</b>				
112	Bricks Dotcom Sdn. Bhd.	Factory: No. 1065, Jln. KL - Ipoh, Mkm. Kerling, 44100 Kerling, Selangor. Office: 59-1, Jln. Kg. Pandan, 55100 K.L	Tel: 03-92851278 Fax: 03-92851277	Clay Brick
113	GM Bricks Industrial Sdn. Bhd.	Factory: HS (D) 12695 PT 2399, Mkm. Batang Kali. Office: 34B, Jln. SS21/35, Damansara Utama, 47400 Petaling Jaya.	Tel: 012-3273736	Clay Brick
114	Hong Kee Trading	Factory: Lot 3280, Mkm. Hulu Yam, Hulu Selangor, Selangor Office: No. 149-1-1, Jln. Matang 2 Off Jln. Kuching, 51200 K.L	Tel: 03-62535422	Clay Brick
115	Kilang Batu Bata Hap Kee Trading Sdn. Bhd.	Factory: HS(D) 4088 Lot 4450, Mkm. Serendah, Hulu Selangor, Selangor. Office: No. 17, Jln. Besar, Kepong, Selangor	Tel: 03-62803520	Clay Brick

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
116	Kilang Batu Bata Hin Kee Sdn. Bhd.	Factory: GRN 5282 Lot 1544 Mkm. Kajang. Office: 100, Batu 3 ¼, Jln. Cheras, 56100 K.L	Tel: 012-30833331	Clay Brick
117	Kim Tee Brickworks Industry Sdn. Bhd.	Factory: Lot 1086-C, Bt. 22 ½, Jln. Sg. Lalang, 43500 Semenyih, Selangor. Office: 5A, Jln. Yong Shock Lin, Seksyen 52, New Town Centre, 46200 Petaling Jaya, Selangor	Tel: 03-87242399 Fax: 03-87242398	Clay Brick
118	Qi-Bricks (M) Sdn. Bhd.	Factory: GM 3718 Lot 452, GM 3719, Lot 453, GM 3707 Lot 454, Serendah, Selangor. Office: Lot 42-52, Off 39th KM KL - Ipoh Highway, 48200 Serendah, Selangor	Tel: 03-60812806	Clay Brick
119	Sin Heap Fatt Brickwork Sdn. Bhd.	Factory: H.S.D 37424 PT 1122 Mkm. Semenyih. Office: No 51-M, Jln. Manis 4, Tmn. Segar, Jln. Cheras, 56100 K.L.	Tel: 019-2198657	Clay Brick
120	Sungai Choh Building Supply Sdn. Bhd.	Factory: GRN 56749 Lot 1957, Mkm. Serendah, Hulu Selangor, Selangor. Office: Lot 195A, Jln. Sg. Choh, Rawang, Selangor		Clay Brick
121	Yap Khay Cheong Brickworks Sdn. Bhd.	Factory: GM 4317 Lot 278, Batang Kali, Selangor. Office: No. 229 Jln. Segambut, 52100 K.L	Tel: 03-62586221	Clay Brick
122	Yap Teck Heng & Sons Bricks Ind. Sdn. Bhd.	Factory: GM 5424 Lot 1361, Mkm. Hulu Yam. Office: 85-2, Jln. 62A, Bandar Manjalara Kepong, 52200 K.L	Tel: 03-62742798	Clay Brick
STATE: TERENGGANU (4 MANUFACTURERS)				

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
123	Lingai Bata Sdn. Bhd.	Factory: Bt. 16, Kg. Sg. Ikan, Jln. Kelantan, 21060 K. Terengganu, Terengganu Office: Bt. 16, Kg. Sg. Ikan, Jln. Kelantan, 21060 K. Terengganu, Terengganu	Tel: 03-79814638	Clay Brick
124	Permint Binabahan Sdn. Bhd.	Factory: Bt. 19½, Jln. Kelantan, 21050 K. Terengganu, Terengganu Office: Bt. 19½, Jln. Kelantan, 21050 K. Terengganu, Terengganu	Tel: 09-6888335	Clay Brick
125	Syarikat Bina Brick Sdn. Bhd.	Factory: Bt. 10¾, Tepoh, Jln. Kelantan, 21060 K. Terengganu, Terengganu Office: Bt. 10¾, Tepoh, Jln. Kelantan, 21060 K. Terengganu, Terengganu	Tel: 09-6622335	Clay Brick
126	Syarikat Keluarga Jaya	Factory: Bt. 11, Tepoh, Jln. Batu Rakit, 21060 K. Terengganu, Terengganu Office: Bt. 11, Tepoh, Jln. Batu Rakit, 21060 K. Terengganu, Terengganu	Tel: 09-6625935	Clay Brick



## Appendix 2: Clay Pipes / Sewage Pipes / Drain Tiles Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (3 MANUFACTURERS)				
1.	Johor Pipe Company (JPC) (Company of Claytan Group)	Bt. 57, Jln. Johor, 86100 Air Hitam, Kluang, Johor	Tel: 07-7581202 Fax: 07-7581185	Vitrified Clay Pipe
2.	JPC-Intan Sdn. Bhd. (Company of Claytan Group)	Bt. 57, Jln. Johor, 86100 Air Hitam, Kluang, Johor	Tel: 07-7581201 Fax: 07-7581175	Vitrified Clay Pipe
3.	Sia Hock Soon (M) Sdn. Bhd.	Bt. 4, Jln. Mersing, 86000 Kluang, Johor	Tel: 07-7737346	Vitrified Clay Pipe
STATE: PERAK (13 MANUFACTURERS)				
4.	Ban Soong Heng Sdn. Bhd.	Lot 77, Jln. Utama, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2015594 Fax: 05-2017398	Clay Pipe/ Drain Tile
5.	BSH Pottery Sdn. Bhd.	PT 145341, Jln. Chepor 11/8, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2018982 Fax: 05-2018931	Sewage Pipe
6.	Cheap Lie Pottery Sdn. Bhd.	Lot 2269, Kaw. Perindustrian Bercham, 31400 Ipoh, Perak	Tel: 05-5479276 Fax: 05-5479276	Sewage Pipe
7.	Chong Ah Kow Pottery Sdn. Bhd.	PT 138028, Lot 178, Changkat Kinding, 31250 Tanjong Rambutan, Perak	Tel: 05-2014069 Fax: 05-2014069	Drain Tile
8.	G.S. Pottery Sdn. Bhd. (Atasa Jaya Sdn. Bhd.)	Lot 6589, Bt. ½, Jln. Bercham, 31250 Tanjong Rambutan, Perak	Tel: 05-5333002 Fax: 05-5333087	Drain Tile
9.	Hing Loong Pottery Industry	Lot 23258, Kg. Pengkalan Baru, 31300 Kg. Kepayang, Perak	Tel: 05-3572979	Sewage Pipe/Drain Tile
10.	I & P Clay Products Sdn. Bhd.	Lot 3235, Kaw. Perindustrian Bercham, 31400 Ipoh, Perak	Tel: 05-5478586 Fax: 05-5473321	Drain Tile

11.	JTI Sdn. Bhd.	Lot 65294, Bt. 5, Jln. Gopeng - Batu Gajah, Kg. Pengkalan Baru, 31300 Kg. Kepayang, Perak	Tel: 05-3663041 Fax: 05-3651168	Clay Pipe/ Drain Tile
12.	Lee Seng Huat Sdn. Bhd.	Lot 3, Jln. Chepor 11/5, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2012292 Fax: 05-2014528	Clay Pipe/ Drain Tile
13.	Sin Woh Seng Clay	B-14, Bt. 2, Jln. K. Kangsar 30010 Ipoh, Perak	Tel: 05-5063661	Sewage Pipe/Drain Tile
14.	Teong Huat Clay Products Sdn. Bhd.	Lot 79, Jln. Chepor 11/7, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2012716 Fax: 05-2012329	Sewage Pipe
15.	Tho Joo Seng Kiln	Bt. 7, Jln. Bidor - Teluk Intan, 35500 Bidor, Perak	Tel: 012-5650466 Fax: 05-4331415	Sewage Pipe/Drain Tile
16.	Ayer Tawar Clay Products Sdn. Bhd.	Lot 5069, Bt. 42½, Jln. Beruas, Kg. Kedah, 32400 Ayer Tawar, Perak	Tel: 05-6728310 Fax: 05-6728310	Sewage Pipe/ Drain Tile/ Subsoil Pipe
<b>STATE: SELANGOR (1 MANUFACTURER)</b>				
17	Sunway VCP Sdn. Bhd.	Lot 6489 & 6490, Bt. 6, Jln. Kapar, 42100 Klang, Selangor	Tel: 03-32915288 Fax: 03-32915388	Vitrified Clay Pipe

## Appendix 3: Wall / Floor / Mosaic / Terracotta Tiles Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (5 MANUFACTURERS)				
1	Alpha Yi-Lai Tiles Industry Berhad	Lot 7020, Bt. 23, Jln. Air Hitam, 81000 Kulai, Johor	Tel: 07-6522652 Fax: 07-6524633	Wall/ Floor Tiles
2	Guocera Tile Industries (Member Of Hong Leong Group Malaysia)	Lot 201, Jln. Mengkibol, 86000 Kluang, Johor	Tel: 07-7724720/7723599 Fax: 07-7723598	Wall/ Floor/ Mosaic Tiles
3	Malaysian Mosaics Berhad	Factory 1: Bt. 3 ¼, Jln. Mersing, 86000 Kluang, Johor Factory 2: Bt. 4, Jln. Batu Pahat, 86000 Kluang, Johor Office: 1-A, Jln. 205 Off Jln. Tandang, 46050 Petaling Jaya, Selangor	Tel: 03-7827333(O) 7721219/ 7761406(F) Fax: 07-7761380	Wall/ Floor/ Mosaic Tiles
4	Niro Ceramic (M) Sdn. Bhd.	PLO 419 - 421, Jln. Emas 2, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor	Tel: 07-2515811 Fax: 07-2215812	Wall/ Floor Tiles
5	White Horse Ceramic Industries Sdn. Bhd. (Company Of White Horse Berhad)	PLO 464, Jln. Gangsa, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor	Fax: 07-2518855/ 2525382/ 2525380	Wall/ Floor Tiles
STATE: NEGERI SEMBILAN (2 MANUFACTURERS)				
6	Kim Hin Ceramic (Seremban) Sdn. Bhd.	Lot 10807, Kaw. Perindustrian Tunku Jaafar, P.O. Box 171, 70720 Seremban, Negeri Sembilan	Tel: 06-6774609 Fax: 06-6771812	Wall/ Floor Tiles
7	Kim Hin Ceramic 2 (Formerly Johan Ceramic Sdn. Bhd)	No. 32, Lrg. Gajus, Kaw. Perindustrian Senawang, P.O. Box 237, 70720 Seremban, Negeri Sembilan	Tel: 06-6671836	Wall/ Floor Tiles
STATE: SARAWAK (1 MANUFACTURERS)				
8	Ceramica Indah Sdn. Bhd.	Bt. 4½, Jln. Kong Phing, 93250 Kuching, Sarawak	Tel: 082-451567 Fax: 082-452135	Wall/ Floor Tiles
STATE: SELANGOR (2 MANUFACTURERS)				

9	Guocera Tile Industries (Meru) Sdn. Bhd.	Lot 11832, Bt. 5 ½, Jln. Meru, 41050 Klang, Selangor	Tel: 03-33927623 Fax: 03-33927612	Wall/ Floor Tiles
10	Seacera Tiles Bhd.	Lot 16428, Km. 14, Jln. Ipoh, Kaw. Perindustrian Selayang, 68100 Batu Caves, Selangor	Tel: 03-61362494 Fax: 03-61362495	Wall/ Floor Tiles



## Appendix 4: Roofing Tiles Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (4 MANUFACTURERS)				
1	Golden Clay Industries Sdn. Bhd. (Subsidiary of Golden Clay Enterprise Sdn. Bhd.)	Lot 8481, Bt. 6½, Parit Yaani, 83710 Yong Peng, Johor	Tel: 07-4846018/9 Fax: 07-4846801	Clay Roofing Tiles
2	Hume Roofing Products Sdn. Bhd.	Lot 96, Bt. 52¼, Jln. Johor, Mkm. Machap, 86200 Simpang Renggam, Johor	Tel: 07-7541800 Fax: 07-7541799	Concrete Roofing Tiles
3	Monier Roofing Tiles Sdn. Bhd.	Lot 96, Bt. 52 ¼, Jln. Johor, Mkm. Machap, 86200 Simpang Renggam, Johor	Tel: 07-7541800 Fax: 07-7541799	Concrete Roofing Tiles
4	Terreal (M) Sdn. Bhd.	No. 2, Jln. Teknologi 8, Kaw. Perindustrian Mengkibol, 86000 Kluang, Johor	Tel: 07-7751300 Fax: 07-7751305	Clay Roofing Tiles
STATE: PERAK (3 MANUFACTURERS)				
5	Acotec Sdn. Bhd.	Km. 76, Jln. Ipoh - Butterworth, Peti Surat 27, 34700 Simpang, Perak	Tel: 05-8915770 Fax: 05-8915769	Concrete Roofing Tiles
6	Hume Roofing Products Sdn. Bhd. (Malex Industrial Products S. Bhd)	Lot 127220, Kaw. Perindustrian Kanthan, 31200 Chemor.	Tel: 05-2015532, Fak: 05-2015822	Concrete Roofing Tiles
7	Monier Roofing Tiles Sdn. Bhd.	Lot 37554, Bt. ¾, Jln. Bercham - Tg. Rambutan, 31400 Ipoh.	Tel: 05-3460603, Fak: 05-2013126	Concrete Roofing Tiles
STATE: KEDAH (1 MANUFACTURERS)				
8	Monier Roofing Tile Sdn. Bhd.	Lot 79, Persiaran 11, Perusahaan Bakar Arang, 08000 Sg. Petani, Kedah	Tel: 04-4215255 Fax: 04-4217720	Concrete Roofing Tiles
STATE: PULAU PINANG (1 MANUFACTURERS)				
9	Frontier Rooftiles Sdn. Bhd.	Lot 1685, Jln. Gajah Mati, Machang Bubok, 14020 Bkt. Mertajam, P. Pinang.	Tel: 04-5016161/ 50166163	Concrete Roofing Tiles

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
10	Lama Tile (Utara) Sdn. Bhd.	Lot 704, Jln. Estate, MK13, Juru, 14000 Bkt. Mertajam, P. Pinang	Tel: 04-5016161/ 50166163	Concrete Roofing Tiles
STATE: KELANTAN (1 MANUFACTURERS)				
11	Kraf Atap Singhora (Perusahaan Che Jah Bt. Ab. Rahman)	Kg. Pengkalan Baru, Tawang, Bachok, Kelantan		Clay Roofing Tiles
STATE: PAHANG (1 MANUFACTURERS)				
12	Monier Roofing Tiles Sdn. Bhd.	Bt. 16, Jln. Gambang, 26300 Kuantan	Tel: 09-5497251/ 03-20700600 Fax: 09-5497002	Concrete Roofing Tiles
STATE: SARAWAK (4 MANUFACTURERS)				
13	Lama Tile (Sarawak) Sdn. Bhd.	Lot 195, Blok 237, Bkt. Kitang Road, 93250 Kuching, Sarawak	Tel: 082-612233 Fax: 082-613006	Concrete Roofing tiles
14	Poh Yong Tiles Industries Sdn. Bhd.	Lot 2& 5, Blok 231, KNLD Sg. Bandan, Kg. Sandong, Jln. Stephen Yong, 93250 Kuching, Sarawak	Tel: 082-374150, Faks: 082-374154	Concrete Roofing Tiles
15	Sabu Development	Bt. 8, Jln. Bkt. Kitang, 93250 Kuching, Sarawak	Tel: 082-415006	Concrete Roofing Tiles
16	SCIB (Sarawak Consolidated Industries Berhad) Concrete Manufacturing Sdn. Bhd.	Lot 830, Blok 7, Jln. Demak Laut, 93050 Pending, Kuching, Sarawak		Clay Roofing Tiles
STATE: SELANGOR (1 MANUFACTURERS)				
17	Monier Roofing Tiles Sdn. Bhd.	Lot 4432, Jln. Dengkil - Banting, 43800 Sepang Office: Wisma Monier, No. 66, Jln. Ampang, 50450 K. L.	Tel: 03-87686361	Concrete Roofing Tiles
STATE: NEGERI SEMBILAN (1 MANUFACTURERS)				
18	Lama Tiles Works Sdn. Bhd.	3642, Bt. 4, Jln. Jelebu, 70400 Seremban, Negeri Sembilan.	06-7625886	Concrete Roofing Tiles

## Appendix 5: Refractory Bricks Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: PERAK (3 MANUFACTURERS)				
1	Firebrick Industries (M) Sdn. Bhd.	Bt. 11½, Jln. Pusing - Seputih, 31550 Pusing, Perak	Tel: 05-2881009 Fax: 05-2881918	Firebricks/ Refractory Mortar
2	Isolite Insulating Firebricks Sdn. Bhd.	Lot 1, 2 & 3, Jln. Chepor 1½, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2012187 Fax: 05-2012953	Firebricks
3	Pacific Refractory Industries Sdn. Bhd.	Lot 54, Medan Tasek, Kaw. Perindustrian Tasek, 31400 Ipoh, Perak	Tel: 05-5461977 Fax: 05-5474748	Refractory Mortar
STATE: SELANGOR (1 MANUFACTURER)				
4	Vesuvius Malaysia Sdn. Bhd.	Lot PT 11693, Jln. Pelabuhan Utara, Kaw. Industri Bandar Sultan Sulaiman, 42000 Pelabuhan Kelang, Selangor	Tel: 03-31760508	Refractory Bricks

## Appendix 6: Ceramic Tableware and Porcelain Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (2 MANUFACTURERS)				
1	Oriental Ceramics Sdn. Bhd. (Company of Claytan Group)	600, Jln. Kluang, 83000 Batu Pahat, Johor	Tel: 07-4343880 Fax: 07-4315000	Tableware
2	Claytan Fine China (Tableware) Sdn. Bhd. (Company of Claytan Group)	Bt. 57, Jln. Johor, 86100 Air Hitam, Kluang, Johor	Tel: 07-7583200 Fax: 07-7582915	Tableware
STATE: KEDAH (1 MANUFACTURER)				
3	Miyao Toki (M) Sdn. Bhd.	67, Kulim Industrial Estate, 09000 Kulim, Kedah	Tel: 04-4892433	Tableware
STATE: PERAK (4 MANUFACTURERS)				
4	Cheap Seng Pottery Sdn. Bhd.	Lot 2269, Jln. Bercham, Kg. Bercham, 31400 Ipoh, Perak	Tel: 05-5478936 Fax: 05-5475040	Tableware/ Decorative Ware
5	Lavender Ceramic Sdn. Bhd	No. 27 & 28, Laluan Industri 2, Kaw. Perindustrian Siputih, 31560 Batu Gajah, Perak	Tel: 05-3676262 Fax: 05-3676262	Tableware/ decorative Ware
6	Mahir Sentosa Sdn. Bhd.	Plot 22387, Bt. 13, Jln. K. Kangsar, 31200 Chemor, Perak	Tel: 05-2015748 Fax: 05-2016292	Tableware/ Decorative Ware
7	SOA (M) Sdn. Bhd.	Plot 7, Jln. Bemban, Kaw. Perindustrian Bemban, 31000 Batu Gajah, Perak	Tel: 05-3668852 Fax: 05-3668854	Tableware/ Decorative Ware
STATE: SELANGOR (3 MANUFACTURERS)				
8	Inhesion Industrial (M) Sdn. Bhd.	Lot 6083 & 6084, Jln. Haji Abdul Manan, Off Persiaran Hamzah Alang, 42200 Klang, Selangor	Tel: 03-33927045 Fax: 03-33927535	Tableware/ Decorative Ware
9	Sweet Touch Ceramic Sdn. Bhd.	No. 4 & 6, AU 3/16, 68000 Ampang, Selangor	Tel: 03-41052300 Fax: 03-41516179	Tableware/ Decorative Ware
10	T.S. Ceramic (M) Sdn. Bhd.	Lot 14, Jln. Perusahaan 5/2, Kaw. Perusahaan Beranang, 43700 Beranang, Selangor	Tel: 03-876678612/34 Fax: 03-87667860	Tableware/ Decorative Ware
STATE: SARAWAK (1 MANUFACTURER)				



11	Ng Sian Hap Earthen-ware Factory Sdn. Bhd.	No. 18, Lot 488, Lrg. Then Kung Suk 4, Upper Lanang Industrial Estate, P.O.Box 1333, 96008 Sibu, Sarawak	Tel: 084-213633 Fax: 084-213845	Tableware
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## Appendix 7: Sanitary Ware Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (2 MANUFACTURERS)				
1	Clay Industries Sdn. Bhd. (Company of Claytan Group)	Bt. 57, Jln. Johor, 86100 Air Hitam, Johor	Tel: 07-75812012 Fax: 07-7581175	Sanitaryware
2	Johor Pipe Company (Company of Claytan Group)	Bt. 57, Jln. Johor, 86100 Air Hitam, Kluang, Johor	Tel: 07-7581202 Fax: 07-7581185	Sanitaryware/ Clay Pipe
STATE: PERAK (1 MANUFACTURER)				
3	T.J. Pottery Sdn. Bhd.	Lot 61, Jln. Chepor 11/7, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2014525 Fax: 05-2014503	Sanitaryware
STATE: SARAWAK (1 MANUFACTURER)				
4	Sama Sanitaryware (M) Sdn. Bhd.	Jln. Oya, 96000 Sibu, Sarawak	Tel: 084-801117 Fax: 084-803966	Sanitaryware
STATE: SELANGOR (1 MANUFACTURER)				
5	Roca Malaysia Sdn. Bhd.	Lot 552, Lock Beg No. 212, Kaw. Perindustrian Bestari Jaya, Jln. Raja Musa, 45600 Bestari Jaya, Selangor	Tel: 03-32803000	Sanitaryware

## Appendix 8: Pottery Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (3 MANUFACTURERS)				
1.	Aw Eng Kwang Pottery Studio	No. 13, Kg. Machap, Simpang Renggam, 86200 Kluang, Johor	Tel: 07-7541480/76 Fax: 07-7541475	Pottery/ Decorative Ware
2.	Inno. Ceramitec Sdn. Bhd.	Bt. 56, Jln. Johor Bahru, 86100 Air Hitam, Johor	Tel: 07-7583799 Fax: 07-7582648	Pottery
3.	Tao Fatt Pottery	Factory: Lot 1707, Bt. 50, Kg. Machap, Simpang Renggam, Johor Office: 36, Jln. Besar, Kg. Machap, Simpang Renggam, Johor	Tel: 07-7541398 Fax: 07-7541482	Pottery/ Decorative Ware/ Cooking Pot
4.	Thau Lean Pottery	Bt. 9, Jln. Tanjung Labuh, Senggarang, 83200 Batu Pahat, Johor	Tel: 07-4289290 Fax: 07-4289500	Pottery
STATE: KELANTAN (2 MANUFACTURERS)				
5	Seribong Pottery (ZUTAH)	Lot 736, Kg. Seribong, Pasir Tumbuh, Kota Bharu, Kelantan	Tel: 09-7651643	Pottery
6	Sri Jelapang Tembikar	Kg. Mambong, K. Krai, Kelantan		Pottery
STATE: PAHANG (1 MANUFACTURER)				
7	Temin Kraf, Bengkel Tembikar	Km. 6, Kg. Temin, 27000 Jerantut, Pahang	Tel: 09-2662837	Pottery
STATE: PERAK (148 MANUFACTURERS)				
8	Bao Feng Pottery Sdn. Bhd.	Lot 10, Jln. Chepor 11/1, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2014712 Fax: 05-2014712	Flower Pot
9	BSH Pottery Sdn. Bhd.	PT 145341, Jln. Chepor 11/8, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-5062793 Fax: 05-5060723	Flower Pot
10	Cheap Seng Pottery Sdn. Bhd.	Lot 2269, Jln. Bercham, 31400 Ipoh, Perak	Tel: 05-5478936 Fax: 05-5475040	Flower Pot
11	Chong Ah Kow Pottery Sdn. Bhd.	PT 138028, Lot 178, Changkat Kinding, 31250 Tanjong Rambutan, Perak	Tel: 05-2014069 Fax: 05-2014069	Flower Pot
12	Cinly Seng Pottery (Ipoh) Sdn. Bhd.	Plot 75, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2014205 Fax: 05-2014206	Flower Pot
13	Hang Seng Pottery Sdn. Bhd.	No. 8317-D, Bt. 2½, Jln. K. Kangsar, 30010 Ipoh, Perak	Tel: 05-5060506	Flower Pot

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
14	Kin Foong Pottery	Lot 3235, Jln. Bercham, 31400 Ipoh, Perak	Tel: 05-5480049 Fax: 05-5489928	Flower Pot
15	Lian Fatt Pottery (Prosper-Li Clay Sdn. Bhd.)	Lot 41985, Jln. Tanjung Rambutan - Chemor, 31200 Chemor, Perak	Tel: 05-2016848 Fax: 05-2017948	Flower Pot
16	Man Chin Lee Pottery Works	Lot 65360, Bt. 5, Jln. Gopeng - Batu Gajah, Kg. Kepayang, 31300 Simpang Pulai, Perak	Tel: 05-5499219 Fax: 05-5060036	Flower Pot
17	Man Heng Pottery	Bt. 5, Jln. Gopeng - Batu Gajah, Kg. Kepayang, 31300 Simpang Pulai, Perak	Tel: 012-5258266	Flower Pot
18	San Chung Joo Pottery	No. 220, Bt. 2½, Jln. K. Kangsar, 30010 Ipoh, Perak	Tel: 012-5222285 Fax: 05-5062348	Flower Pot
19	Shee Huat Pottery (Ipoh) Sdn. Bhd.	Lot 59, Jln. Chepor 11/6, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2015087 Fax: 05-2015087	Flower Pot
20	Sim Kim Huat Pottery	Lot 3, Jln. Chepor 11/5, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2012292 Fax: 05-2014528	Flower Pot
21	Sin Cheak Lee Pottery	Lot 11835, Jln. Bercham, Tanjong Rambutan, 31400 Ipoh, Perak	Tel: 05-5478737 Fax: 05-5478737	Flower Pot
22	Sin Cheak Seng Pottery Sdn. Bhd.	Lot 64777, Jln. Bercham, 31400 Ipoh, Perak	Tel: 05-5470317 Fax: 05-5464148	Flower Pot
23	Sin Chin Huat Pottery Sdn. Bhd.	Lot 65360, Bt. 5, Jln. Gopeng - Batu Gajah, Kg. Kepayang, 31300 Simpang Pulai, Perak	Tel: 05-5499818	Flower Pot
24	Sin Nam Seng Huat Pottery	Lot 7043, Kg. Ulu Chemor, 31200 Chemor, Perak	Tel: 012-5039023	Flower Pot
25	Sin Thai Seng Pottery Sdn. Bhd.	Lot 62, Jln. Chepor 11/7, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2015011 Fax: 05-2015979	Flower Pot
26	Soon Seng Pottery	Bt. 6, Jln. Gopeng, Kg. Pengkalan Baru, 31300 Simpang Pulai, Perak	Tel: 05-3572514 Fax: 05-3573028	Flower Pot
27	Tan Guan Hong Pottery	Lot 22503, Jln. Bercham, 31400 Ipoh, Perak	Tel: 05-5463896 Fax: 05-5486722	Flower Pot
28	Yuksing Pottery Sdn. Bhd. (Hong Lean Sdn. Bhd.)	Lot 154334, Jln. Bercham, 31400 Ipoh, Perak	Tel: 05-5483188 Fax: 05-5483161	Flower Pot
29	Ngee Hong Pottery Sdn. Bhd.	Bt. 4, Peti Surat 13, Jln. Lintang, 31100 Sg. Siput (U), Perak	Tel: 05-5980124	Flower Pot

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
30	Kilang Pasu Hock Lee	Lot 4004, Kg. Salak Station, 31000 Sg. Siput (U), Perak		Flower Pot/ Latex Cup
31	Asian Pottery Sdn. Bhd.	Plot 58, Jln. Logam 3, Kaw. Perindustrian Kamunting 3, 34600 Kamunting (Taiping), Perak	Tel: 05-8911319 Fax: 05-8916737	Flower Pot/ Latex Cup
32	Abdul Manan Bin Sulaiman	No. 32, Kg. Pauh, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
33	Abdul Rahman Bin Abdullah	No. 37, Kg. Kandang Hulu, Mkm. Kota Lama Kanan, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
34	Abdul Rashid Bin Abdullah	No. 96, Kg. Enggor, Mkm. Kota Lama Kanan, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
35	Abdul Razak Bin Kassim	No. 38, Kg. Pauh, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
36	Azrul Izwan Bin Abdul Razak	No. 31, Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
37	Ahmad Cukri bin Mat Johor	No. 40C, Kg. Pauh, Sayong, K. Kangsar.	Tel: 019-4207020	Sayong
38	Ahmad Hariri Bin Zaim	No. 79-B, Kg. Sayong, Permatang Ipoh, 33000 K. Kangsar, Perak	Tel: 013-5103921	Sayong
39	Ahmad Jumad Bin Kamaruddin	No. 3, Kg. Bkt. Lada, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
40	Ahmad Razilah Bin Pandak Ismail	Lot 674, Kg. Tersusun Salak baru, Sungai Siput (U), K. Kangsar, Perak	Tel: 013-5145767	Decorative Ware
41	Ahmad Roslan Bin Anjang Hashim	Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 017-5266576	Sayong
42	Ahmad Safuan Bin Yaakob	Perbadanan Kemajuan Kraftangan Malaysia Cawangan Perak, Km. 40, Enggor, K. Kangsar	Tel: 019-5910055	Decorative Ware
43	Ahmad Zabidi Bin Abdul Rahman	No. 71, Kg. Kota Lama Kanan, Mkm. Kota Lama Kanan, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
44	Amir Hamzah Bin Hamli	No. 1, Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 012-5648769	Sayong



No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
45	Arbaaisyah Binti Yaacob	Kg. Kepala Bendang, Mkm. Sayong, K. Kangsar, Perak	Tel: 012-5993213	Sayong
46	Azizah Binti Mohd. Nor	No. 78, Kg. Kandang Hilir, Kota Lama Kanan, 33040 K. Kangsar, Perak	Tel: 013-5933947	Sayong
47	Che Hashim Bin Yahya	Kg. Pauh, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
48	Chuah Chong Guan	No. 20, Jln. Dato Maharajalela, 33000 K. Kangsar, Perak	Tel: 016-5550322	Decorative Ware
49	Dah Binti Ngah Ishak	No. 28, Kg. Bkt. Lada, Mkm. Sayong, K. Kangsar, Perak	Tel: 017-5453040	Sayong
50	Faizal Azhar Bin Abdul Rahman	Bt. 29½, Kota Lama Kanan, 33040 K. Kangsar, Perak	Tel: 019-5082012	Sayong/ Decorative Ware
51	Fatimah Binti Seteh	No. 373, Lrg. 12, Tmn. Melur, Jln. Sungai Manik, 33600 Teluk Intan, Perak	Tel: 014-5200248	Decorative Ware
52	Fauziah Binti Zani	No. 40, Kg. Pauh, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
53	Ghazali Bin Ngah Osman	Kg. Pauh Hilir, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
54	Harun Bin Mat Jidin	Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
55	Hasfaliza Binti Zainal Abidin	Bt. 30¾, Mkm. Kota Lama Kiri, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
56	Hasrul Amri Bin Abu Hassan	Lot 49 & 50, Jln. Seramik 11/3, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 016-3121804	Flower Pot/ Decorative Ware
57	Ibrahim Bin Mohd. Don @ Dun	Lot 1408, Jln. Utama FELCRA, Kg. Bendang Kering, Mkm. Sayong, 33000 K. Kangsar, Perak	Tel: 017-4613536	Decorative Ware
58	Jamilah Binti Zani	Bt. 19, Kg. K. Dal, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
59	Jariah @ Ainun Binti Hassan	Batu 23¾, Kg. Tanjong Bidara, Kg. Gajah, Perak Tengah, Perak	Tel: 05-6311514	Decorative Ware

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
60	Jarizawati Binti Ismail	Kg. Bkt. Lada, Mkm. Sayong, 30040 K. Kangsar, Perak	Tel: 012-4684947	Sayong
61	Kamaruddin Bin Shamsuddin	No. 36, Kg. Bkt. Lada, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
62	Khadijah Binti Sulaiman Abdullah	No. 78, Kg. Sayong Hulu, 33040 K. Kangsar, Perak	Tel: 017-5040395	Sayong
63	Loke Su Hoong	No. 44, Persiaran Bkt. Meru II, Meru Height, Jelapang, 30020 Ipoh, Perak	Tel: 012-5383199	Decorative Ware
64	Madzriah Binti Ismail	No. F44, Kg. Tanjong Bidara, Kg. Gajah, 36800 Perak Tengah, Perak	Tel: 013-5811157	Decorative Ware
65	Mazlan Bin Ahamad	No. 365, Kg. Kepala Bkt., Bt. 9, Jln. Trong, Changkat Jering, 34850 Taiping, Perak	Tel: 012-5031514	Decorative Ware
66	Mastura Binti Alang Othman	No. 31, Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 012-5236577	Sayong
67	Mastura Binti Zainal	No. 6, Kg. Bkt. Lada, Mkm. Sayong, 30040 K. Kangsar, Perak	Tel: 017-5805970	Sayong
68	Marjinah Binti Sulaiman	Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
69	Mat Nordin Bin Mohammad Noor	Kg. Bkt. Lada, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
70	Mazlina Binti Ismail	No. 28, Tasik Mutiara 6, Tasik Mutiara, Perak	Tel: 019-2262728	Decorative Ware
71	Maznah Binti Sulaiman	Kg. Kepala Bendang, Mkm. Sayong, K. Kangsar, Perak	Tel: 017-5411368	Sayong
72	Mior Jamil Bin Mohd. Shahpeai	No. 31, Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 017-5980483	Sayong/ Decorative Ware
73	Mohd. Aznam Bin Sabawi	No. 10-A, Kg. Sayong Tengah, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 012-5932083	Sayong
74	Meor Amirul Din Bin Aris	Lot 2289, Jln. Lekir Bt. 8, Kg. Pasir Pandak, Sitiawan, Perak.	Tel: 012-9195337	Decorative Ware
75	Meor Shamsuddin Bin Ramly	Kg. Kepala Bendang, Mkm. Sayong, K. Kangsar, Perak	Tel: 012-5475632	Sayong

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
76	Mohamad Adam Bin Ahmad Sarip	No. 37, Kg. Bkt. Lada, Mkm. Sayong, K. Kangsar, Perak	Tel: 019-5474224	Sayong
77	Mohamad Fahmi Bin Mohamed Razali	No. 44, Jln. Masjid Kota Lama Kanan, 33040 K. Kangsar, Perak	Tel: 013-4764147	Decorative Ware
78	Mohamad Hazizi Bin Mohd. Sibun	No. 2, Persiaran Aman 1, Tmn. Aman, Salak Utara, Sungai Siput (U), K. Kangsar, Perak	Tel: 012-5849350	Decorative Ware
79	Mohamed Akbar Sherrif Ali Bin Yasin	No. 66, Hala Pegoh 3, RPT Seberang Pegoh, Pangkalan, 31500 Lahat, Perak	Tel: 019-2823392	Decorative Ware
80	Mohd. Fadzly Bin Zoliadin	No. 61, Blok D, RPA 2, Salak Utara, 31050 K. Kangsar, Perak	Tel: 019-5649166	Sayong
81	Mohd. Isa Bin Mohd. Kamin	No. 83, Blok E, RPA Salak Baru, Sg Siput (U), K. Kangsar, Perak	Tel: 013-5851907	Decorative Ware
82	Mohd. Johari Bin Mat Tasi	No. 169-G, RPA Jln. Sultan Iskandar Shah, 3000 K. Kangsar, Perak	Tel: 014-2488801	Sayong
83	Mohamad Ridhwan Bin Abdul Samad	Batu 33½, Jln. Taiping, K. Kangsar.	Tel: 012-4585110	Decorative Ware
84	Mohd. Ali Bin Abdul Hamid	No. 114, Kg. Paya Panjang, Mkm. Kg. Buaya, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
85	Mohd. Pareb Bin Zamari	No. 20, Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 017-5652164	Sayong/ Decorative Ware
86	Mohd. Hayat Bin Mohd. Khairudin	No. 48, Kg. Setia, Enggor, K. Kangsar.	Tel: 014-2456075	Sayong/ Decorative Ware
87	Mohd. Fauzi Bin Mohd. Safian	No. 147, Kg. Trosor, Sg. Siput Utara, K. Kangsar, Perak	Tel: 013-9884655	Sayong/ Decorative Ware
88	Mohd. Hafez Bin Shaari	Kg. Pauh Hilir, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
89	Mohd. Shamlan Bin Zahari	No. 44, Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 012-5993214	Sayong
90	Mohamad Hakim Bin Ismail	Perbadanan Kemajuan Kraftangan Malaysia Cawangan Perak, Km. 40, Enggor, K. Kangsar	Tel: 019-4710371	Decorative Ware

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
91	Mohd. Isa Bin Zainun	No. 40, Kg. Ketior, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
92	Mohd. Nazir Bin Mohd. Taib	Kg. Sayong Masjid, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
93	Mohd. Rashid Bin Uda Ahmad	No. 6, Kg. Bkt. Lada, Mkm. Sayong, K. Kangsar, Perak	Tel: 013-5854120	Sayong
94	Mohd. Rofi Bin Saibun	Kg. Kandang Hilir, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
95	Mohd. Saed Bin Lamin	Kg. Paya Panjang, Padang Rengas, Mkm. Kg. Buaya, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
96	Mohd. Zazelan Bin Zerai	Kg. Sayong Masjid, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 012-4363794	Sayong
97	Mohamad Bin Harun	No. 3, Kg. Setia, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
98	Muhamad Hazuwan Bin Harun	No. 117, Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 014-7534995	Sayong
99	Mustafa Bin Anjang Hashim	Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
100	Nakibah Binti Mat Isa	Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 017-4314359	Sayong
101	Nawawi Bin Habil	Bt. 30¼, Lorong Haji Ismail, Kota Lama Kiri, K. Kangsar, Perak	Tel: 012-4583354	Sayong
102	Nazuralifa Binti Lamat	No. 27, Kg. Sayong Tengah, 33040 K. Kangsar, Perak	Tel: 012-4322763	Sayong
103	Nazrul Hafsham Bin Din	Kg. Sayong Masjid, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
104	Nik Amran Bin Lamin	No. 95, Kg. Enggor, Mkm. Enggor, K. Kangsar, Perak	Tel: 016-5164631	Decorative Ware
105	Norliya Binti Ahmad	No. 48, Kg. Kubang Temian, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 016-5278978	Sayong
106	Normah Binti Azit	Kg. Teluk Pendayung, Lambor Kanan, 36800 Parit, Perak	Tel: 013-5994731	Decorative Ware

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
107	Normanissah Binti Mohamad Nazri	Perbadanan Kemajuan Kraftangan Malaysia Cawangan Perak, 33600 K. Kangsar,	Tel: 011-24279219	Decorative Ware
108	Nor Masnida Binti Rodzi	Kg. Keledang, Mkm. Kota Lama Kanan, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
109	Norshaidi Bin Abu Hasan	Kg. Sayong Tengah, 33700 K. Kangsar, Perak	Tel: 017-4984856	Decorative Ware
110	Norzima Binti Shahrom	Kg. Bkt. Lada, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
111	Nooriyati Binti Abdul Rahman	Kg. Bkt. Lada, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 012-5895285	Sayong
112	Noorul Hajariah Binti Shahrum	Perbadanan Kemajuan Kraftangan Malaysia Cawangan Perak, Km. 40, Enggor, K. Kangsar	Tel: 019-4308325	Sayong
113	Noor Asilah Binti Abd. Mashor	No. 78, Kg. Sayong Hulu, 33040 K. Kangsar, Perak	Tel: 017-5219715	Sayong
114	Nurul Izzati Binti Md. Desa	No. F-16, Tanah Baru Utara, Bagan Tiang, 34250 Tanjong Piandang, Perak	Tel: 017-4104814	Decorative Ware
115	Rafli Bin Mohd. Nor	No. 112-A, Kg. Enggor, Mkm. Kota Lama Kanan, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
116	Rohana Binti Esa	Lot 637, Kg. Tersusun Salak Baru, 31050 Sungai Siput (U), K. Kangsar, Perak.	Tel: 016-5140407	Decorative Ware
117	Rahimi Bin Ahmad	Tmn. Chandan Puteri, K. Kangsar, Perak		Sayong/ Decorative Ware
118	Rahim Bin Saraman	Perbadanan Kemajuan Kraftangan Malaysia Cawangan Perak, 33600 K. Kangsar, Perak	Tel: 019-5620640	Decorative Ware
119	Ridzuan Bin Hamli	No. 1, Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
120	Rokiah Binti Mat Isa	Kg. Tanjong Bidara, 36800 Kg. Gajah, Perak	Tel: 05-6311654	Sayong/ Decorative Ware



No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
121	Rosdi Bin Jaraee	No. 69, Kg. Hulu Chepor Tambahan, Jln. Jelapang, 31200 Chemor, Perak	Tel: 016-5658742	Decorative Ware
122	Rosmah Binti Yaacob	No. 4D, Jln. Datok, Kg. Manjoi, Ipoh, Perak	Tel: 019-2181852	Decorative Ware
123	Rosuradi Bin Tazillah	No. 36, Kg. Pauh Hilir, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
124	Saidah Binti Pandak Sidek	No.141, Kg. Paya, Lintah, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
125	Saifuddin Bin Itam Mat Samah	Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
126	Shamsul Anuar Bin Bahari	No. 9G, Kg. Rancangan Merah K. Kenering, Lenggong, 33410 Hulu Perak	Tel: 019-5685358	Decorative Ware
127	Saipul Bahari Bin Abdul Karim	No. 48, Belakang Sekolah Keb. Sayong, K. Kangsar, Perak	Tel: 017-5556505	Sayong
128	Sanisah Binti Salleh	No. 38, Kg. Pauh, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: -	Sayong
129	Sazila Binti Mohd. Yusof	No. 98, Kg. Sayong Lembah, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
130	Shaari Bin Putih Lam	Kg. Kepala Bendang Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
131	Shahrul Izan Bin Ismail	No. 152, RPT Bt. 10, Kg. Chepor, 31200 Chemor, Perak	Tel: 012-4346789	Decorative Ware
132	Shaharizah Binti Yaacob	Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
133	Shahizul Bin Alang Osman	Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
134	Sufian Bin Hamli	No. 1, Kg. Kepala Bendang, Mkm. Sayong, K. Kangsar, Perak	Tel: 012-5892736	Sayong
135	Suhaila Binti Ismail	No. 4, Kg. Bkt. Lada, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 019-4568007	Sayong

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
136	Shamsudin Bin Haji Abd. Majid	Kg. Tanjong Bidara, Kg. Gajah, Perak	Tel: 019-4223349	Sayong/ Decorative Ware
137	Syed Kamal Bahrin Bin Syed Alwi	Lot 5408, Jln. Gula, Simpang Empat, 34400 Semanggol, Perak	Tel: 019-5480253	Decorative Ware
138	Umi Kalsom Binti Puteh Lam	No. 9, Jln. Jambatan Iskandar, Karai, 33600 K. Kangsar, Perak	Tel: 05-2603230	Sayong
139	Yong Fatimah Binti Harun	No.48, Kg. Setia, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
140	Yu Azman Bin Hamid	No. 105, Persiaran Jelapang 5, Tmn. Silibin, 30100 Ipoh, Perak	Tel: 012-4656060	Decorative Ware
141	Yusrizal Bin Mohamad Yusop	No. 444, Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 019-5141277	Sayong
142	Zaidul Bin Hisham	No. 3, Kg. Bkt. Lada, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
143	Zainal Bin Yaacob	Kg. Sayong Tengah, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
144	Zaleha Binti Zehan	No. 39, Kg. Bkt. Lada, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
145	Zaliha Binti Mat Kasa	Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak		Sayong/ Decorative Ware
146	Zawawi Bin Mohd. Sibun	Kg. Kepala Bendang, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 013-5372434	Sayong/ Decorative Ware
147	Zulkafly Bin Pandak Bedin	No. 20, Kg. Kepala Bendang, Mkm. Sayong, K. Kangsar, Perak	Tel: 017-5938703	Sayong
148	Zulkifly Amir Bin Hashim	No. 12, Kg. Sayong Tengah, Mkm. Sayong, 33040 K. Kangsar, Perak	Tel: 0122922884	Sayong
149	Soa (M) Sdn. Bhd.	Plot 7, Jln. Bemban, Kaw. Perindustrian Bemban 31000 Batu Gajah, Perak	Tel: 05-3668852 Fax: 05-3668854	Cooking Pot/ Decorative Ware
150	K. Devaraja Pottery	No. 378, Kg. Kedah, 34200 Parit Buntar, Perak	Tel: 05-7161275	Cooking Pot

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
151	Subramaniam S/O Krisnan	No. 120, Kg. Kedah, 34200 Parit Buntar, Perak	Tel: 05-7167120	Cooking Pot
152	Sri Jaya Pottery Sdn. Bhd.	No. 53, Bt. 7, Jln. Maharaja Lela, 36000 Teluk Intan, Perak	Tel: 05-6413320 Fax: 05-6413380	Cooking Pot
153	Chan Fatt Pottery Factory	No. 268, Bt. 2, Jln. K. Kangsar, 30010 Ipoh, Perak	Tel: 05-5064645	Stove
154	Lisun Stove Manufacturer	No. 46-B, Bt. 2, Jln. K. Kangsar, 30010 Ipoh, Perak	Tel: 05-5060032	Stove
155	Sin Tong Huat	No. 268, Bt. 2, Jln. K. Kangsar, 30010 Ipoh, Perak	Tel: 05-5060348	Stove
STATE: SABAH (2 MANUFACTURERS)				
156	Soon Yii Seng Pottery	Factory: Bt. 16, Jln. Tuaran, Sabah Office: P.O.Box 148, 88450 Telipok, Sabah	Tel: 088-491869	Flower Pot/ Decorative Ware
157	Tong Hup Lee Pottery Factory	Factory: Bt. 17½, Jln. Tuaran, Kota Kinabalu, Sabah Office: P.O. Box 153, 89208 Tuaran, Sabah	Tel: 088-787550 Fax: 088-787550	Flower Pot/ Decorative Ware
STATE: SARAWAK (5 MANUFACTURERS)				
158	Ng Sian Hap Earthenware Factory Sdn. Bhd.	No. 488, Jln. Ulu Lanang, 96000 Sibu, Sarawak	Tel: 084-213633 Fax: 084-213845	Flower Pot
159	Hua Lian Pottery Maker	No. 343, Bt. 7, Jln. Penrissen, 93250 Kuching, Sarawak	Tel: 082-612540 Fax: 082-612540	Pottery
160	Joo Yee Ceramic Factory	Bt. 4½, Jln. Penrissen, 93250 Kuching, Sarawak	Tel: 082-451366	Pottery
161	Toh Brothers Pottery (Miri) Co.	Bt. 10, K. Baram, P.O.Box 1401, 98008 Miri, Sarawak	Tel: 014-6801133	Pottery
162	Wong Sian Hup Pottery Sdn. Bhd.	Lot 933, Bt. 5, Jln. Penrissen, 93250 Kuching, Sarawak	Tel: 082-456675 Fax: 082-454740	Pottery
STATE: SELANGOR (9 MANUFACTURERS)				
163	Inhesion Industrial (M) Sdn. Bhd.	Lot 6083 & 6084, Jln. Haji Abdul Manan, Off Persiaran Hamzah Alang, 42200 Klang, Selangor	Tel: 03-33927045 Fax: 03-33927535	Decorative ware
164	Jayaram Enterprise	Factory/Office: Bt. 2, Jln. Klang - K. Selangor, 45000 K. Selangor	NA	Decorative Ware

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
165	Jeyam Brother Enterprise	Factory/Office: Lot 144, Bt. 2, Jln. Klang - K. Selangor, 45000 K. Selangor	NA	Decorative Ware
166	Krishnan Pottery	Lot 3555, Bt. 2, Jln. Klang - K. Selangor, 45000 K. Selangor	Tel: 03-32891978	Decorative Ware/ Plaster Board
167	Ramadas Pottery	Factory/Office: Bt. 2, Jln. Klang - K. Selangor, 45000 K. Selangor	NA	Decorative Ware
168	Sweet Touch Ceramic Sdn. Bhd.	No. 4 & 6, AU 3/16, 68000 Ampang, Selangor	Tel: 03-41052300 Fax: 03-41516179	Decorative Ware
169	T.S. Ceramic (M) Sdn. Bhd.	Lot 14, Jln. Perusahaan 5/2, Kaw. Perusahaan Beranang, 43700 Beranang, Selangor	Tel: 03-87667861 Fax: 03-87667859	Decorative Ware
170	Tenmoku Pottery (M) Sdn. Bhd.	23, Jln. Industri Batu Caves 1/1, Kaw. Perindustrian Batu Caves, 68100 Batu Caves, Selangor	Tel: 03-61875898 Fax: 03-61875893	Decorative Ware
171	Velayar Enterprise	Factory/Office: Lot 2269, Jln. Keretapi Lama, Assam Jawa, 45000 K. Selangor	Tel: 03-32891054	Decorative Ware

## Appendix 9: Advanced Ceramics and Ceramic Powder Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (1 MANUFACTURERS)				
1	Isolite Ceramic Fibers Sdn. Bhd.	PLO 345, Jln. Emas 2, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor	Tel: 07-2516231/2 Fax: 07-2516230	Ceramic Powder/Fibre
STATE: MELAKA (1 MANUFACTURERS)				
2	Maruwa (M) Sdn. Bhd.	Lot 27 & 28, Batu Berendam Industrial Estate, Phase 3, FTZ 75350, Melaka	Tel: 06-2883302/ 012-6088322	Electric Components
STATE: SELANGOR (2 MANUFACTURERS)				
3	Vesuvius Malaysia Sdn. Bhd.	Factory/Office: Lot PT 11693, Jln. Pelabuhan Utara, Kaw. Industri Bandar Sultan Sulaiman, 42000 Pelabuhan Kelang, Selangor	Tel: 03-31760508	Ceramic Powder
4	T.S. Ceramic (M) Sdn. Bhd	Lot 14, Jln. Perusahaan 5/2, Kaw. Perusahaan Beranang, 43700 Beranang, Selangor	Tel: 03-87667861/ 2/3/4 Fax: 03-87667860	Ceramic Insulators

## Appendix 10: Ceramic Formers Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: NEGERI SEMBILAN (1 MANUFACTURER)				
1	Ceramtec Innovative Ceramic Engineering Sdn. Bhd.	Lot 10807, Kaw. Perindustrian Tunku Jaafar, P.O. Box 171, 70720 Seremban, Negeri Sembilan	Tel: 06-6779106	Ceramic Former
STATE: SELANGOR (3 MANUFACTURER)				
2	HT Ceramics Sdn. Bhd.	Lot 3241, Jln. Genting, Off Jln. Kapar, Rantau Panjang, 42100 Klang, Selangor	Tel: 03-32907988 Fax: 03-32917988	Ceramic Former
3	SNKO Ceramic Sdn. Bhd.	Lot 1, Jln. Perusahaan 4, Kaw. Perusahaan Beranang, 43700 Beranang, Selangor	Tel: 03-87667233 Fax: 03-87666113	Ceramic Former
4	Hallmark Porcelain Sdn. Bhd.	Lot 5071, 41050 Klang, Jln. Meru, Selangor	Tel: 03-33928678, Fax: 06-33929678	Ceramic Former



## Appendix 11: Glass and Glass Products Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
<b>STATE: JOHOR (3 MANUFACTURERS)</b>				
1	Malaya Glass Products Sdn. Bhd.	72-A, Jln. Tampoi, 81200 Johor Bahru, Johor	Tel: 07-2371701, Fax: 07-2371705	Glass Container
2	Malaysian Sheet Glass Berhad	PLO 435, Jln. Keluli 3, Kaw. Perindustrian Pasir Gudang, 81707 Pasir Gudang, Johor	Tel: 07-2510217	Flat Glass
3	Perusahaan Usahasama Membalak @ PUM (CULLET DIVISION)	Cullet Division, PLO 340, Jln. Perak 4, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor Darul Takzim	Tel: 07-2537777, Fax: 07-2537700	Cullet
<b>STATE: PULAU PINANG (2 MANUFACTURERS)</b>				
4	PGF Insulation Sdn. Bhd.	2449, Lorong Perusahaan 10, Kaw. Perusahaan Perai, 13600 Prai, P. Pinang	Tel: 04-3908460 Fax: 04-3996197	Fibreglass
5	Schott Glass (M) Sdn. Bhd.	2024, Tingkat Perusahaan 6, Zone Perindustrian Bebas 2, Perai 13600 P. Pinang	Tel: 04-3898100	Optical Blank/ Insulated Glass Door/Tempered Glass Lid
<b>STATE: MELAKA (1 MANUFACTURERS)</b>				
6	Ohara Optical (M) Sdn. Bhd.	Lot 6B & 6C, Merlimau Industrial Estate, 77300 Merlimau, Melaka	Tel: 06-2633334, Fax: 06-2633332	Optical & Pharmaceutical Glass
<b>STATE: NEGERI SEMBILAN (1 MANUFACTURERS)</b>				
7	Rembau Crystal	Lot 1432, Lorong Mulia, Rembau, Negeri Sembilan	Tel: 06-6853100	Glass Tableware
<b>STATE: PERAK (2 MANUFACTURERS)</b>				
8	Goodwater Engineering Manufacturing Sdn. Bhd.	PT 117512, Jln. Chepor 11/10, Tmn. Seramik Chemor, 31200 Chemor, Perak	Tel: 05-2011282, Fak: 05-2015317	Fibreglass (Septic Tank)
9	JH Fibreglass Industries Sdn. Bhd.	Lot 66007, Kaw. Perindustrian Bercham, 31250 Ipoh, Perak	Tel: 05-5483812, Fak: 05-5471959	Fibreglass (Septic Tank)
<b>STATE: SELANGOR (1 MANUFACTURERS)</b>				

10	JG Containers (M) Sdn. Bhd.	Lot 114, Jln. Kebun, P.S. 16, 41700 Klang, Selangor	Tel: 03-5161100½/3, Fax: 03-51617915	Glass Container
11	Nippon Electric Glass (M) Sdn. Bhd.	Lot 1-7, Lion Industrial Park, Persiaran Jubli Perak, Section 22, P.O Box 7216, 40706 Shah Alam, Selangor	Tel: 03-55430000, Fax: 03-51910881	Fibreglass/ Fibreglass Products/ Panel/ Funnel/ Microwave Oven Turntables

## Appendix 12: Cement and Clinker Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (3 MANUFACTURERS)				
1.	Holcim (M) Sdn. Bhd.	Lot 119, Jln. Pukal, Kaw. Perusahaan Pasir Gudang, 81700 Pasir Gudang, Johor	Tel: 07-2513411, Fax: 07-2563484	Cement
2.	Lafarge Cement Sdn. Bhd. (Southern Cement Industries Sdn. Bhd.)	Lot 2, Jln. Kontena, Kaw. Pelabuhan Johor, 81700 Pasir Gudang, Johor	Tel: 07-2525022, Fax: 07-2525933	Cement
3.	Slag Cement (Southern) Sdn. Bhd. (Company Of YTL Cement Berhad)	Plant: Lot 3, Off Jln. Pukal, 81707 Pasir Gudang, Johor, Office: 11th Floor, YTL Plaza, 55 Jln. Bkt. Bintang, 55100 K. Lumpur	Tel: 03-21170088(O)/ 07-2525355 (F), Fax: 03-21412703( O)/ 07-2521263 (F)	Slag Cement
STATE: KEDAH (1 MANUFACTURERS)				
4.	Lafarge Cement Sdn. Bhd.	Plant: Teluk Ewa, Mkm. Air Hangat, P. Langkawi, Kedah, Office: Level 12, Bangunan TH Uptown 3, 3 Jln. SS 21/39, Damansara Utama 47400 Petaling Jaya, Selangor	Tel: 03-7138200, Fax: 03-7124100	Clinker/ Cement
STATE: NEGERI SEMBILAN (1 MANUFACTURERS)				
5.	Negeri Sembilan Cement Industries Sdn. Bhd. (Company of Cement Industries of Malaysia Berhad)	Plant: Lot 3323, Mkm. Kepis, K. Jelai, 72100, Bahau, Negeri Sembilan, Office: Aras 11, Mercu UEM, Jln. Stesen Sentral 5, K. Lumpur Sentral, 50470 K. Lumpur	Tel: 03-2727 6700(O)/ 06-4532030(F), Fax: 03-2727 2114/ 4543869(F)	Cement/ Clinker
STATE: PAHANG (1 MANUFACTURERS)				
6.	Pahang Cement Sdn. Bhd. (Company of YTL Cement Berhad)	Plant: P.O. Box 232, Bkt. Sagu 4, 25720 Kuantan, Pahang, Office: 8th Floor, Menara Aetna Universal, Jln. Raja Chulan, 50200 K. Lumpur	Tel: 03-21170088(O)/ 09-515 8208(F), Fax: 03-21412703( O)/ 09-5133305(F)	Cement / Clinker
STATE: PERLIS (1 MANUFACTURERS)				

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
7.	Negeri Sembilan Cement Industries Sdn. Bhd. (Company of Cement Industries of Malaysia Berhad)	Plant: Bkt. Ketri, Mkm. Chuping, Kangar, Perlis, Office: Aras 11, Mercu UEM, Jln. Stesen Sentral 5, K. Lumpur Sentral, 50470 K. Lumpur, Malaysia	Tel: 03-27276700(O)/ 04-9382006 (F), Fax: 03-2727 2114(O)/ 04-9382722 (F)	Clinker / Cement
STATE: PERAK (5 MANUFACTURERS)				
8.	Aalborg Portland (M) Sdn. Bhd.	Lot 75244, Pinji Estate, P.O. Box 428, 30750 Ipoh, Perak	Tel: 05-3218988, Fax: 05-3222522	Cement/ Clinker
9.	Associated Pan Malaysia Cement Sdn. Bhd. (Company of Lafarge Group & Companies)	Bt. 13 ½, Jln. K. Kangsar, Kanthan Works, 31200 Chemor, Perak, Office: Level 12, Bangunan TH Uptown 3, No.3, Jln. SS 21/39, Damansara Utama, 47400 Petaling Jaya, Selangor	Tel: 03-77238200(O)/ 05-2011203 (F), Fax: 03-77225200(O)/ 05-2012103 (F)	Cement / Clinker
10.	Hume Cement Sdn. Bhd.	No. 300254, Kg. Redang Sawa, Kota Baru, Mkm. Teja, 30750 Gopeng, Perak	Tel: 05-3591493	Cement / Clinker
11.	Perak-Hanjoong Simen Sdn. Bhd. (Company of YTL Cement Berhad)	Plant: Lot 2764, Bt. 14, Mkm. Kg. Buaya, 33700 Padang Rengas, Perak, Office: 11th Floor, YTL Plaza, 55 Jln. Bkt. Bintang, 55100 K. Lumpur, Malaysia	Tel: 03-21170088(O)/ 05-7596000(F), Fax: 03-21412703(O)/ 05-7775272(F)	Cement/ Clinker
12.	Tasek Corporation Berhad	Tasek Industrial Estate, Lot 5, Persiaran Tasek, 31400 Ipoh, Perak	Tel: 05-2911011, Fax: 05-2919932	Cement / Clinker
STATE: SELANGOR (2 MANUFACTURERS)				
13.	LAFARGE Cement BERHAD (Associated Pan Malaysia Cement Sdn. Bhd.)(Company of Lafarge Group & Companies)	Plant: Rawang Works, 48000 Rawang, Selangor, Office: Level 12, Bangunan TH Uptown 3, No. 3, Jln. SS 21/39, Damansara Utama, 47400 Petaling Jaya, Selangor	Tel: 03-77238200(O)/ 60916711(F), Fax: 03-77225200(O)/ 60919361(F)	Cement/ Clinker
14.	Slag Cement Sdn. Bhd., (Company of YTL Cement Berhad)	Plant: Lot 55709, Dry Bulk Terminal 2, Persiaran Teratai, P. Indah, 42003 Westport, Selangor, Office: 11th Floor, YTL Plaza, 55 Jln. Bkt. Bintang, 55100 K. Lumpur	Tel: 03-21170088(O)/ 03-31011378(F), Fax: 03-21412703 (O)/ 03-31011377(F)	Slag Cement

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
<b>STATE: SABAH (1 MANUFACTURERS)</b>				
15.	Cement Industries (Sabah) Sdn. Bhd.	Plant: Sepanggar Industrial Estates, Kota Kinabalu, Sabah, Office: Sepanggar Industrial Estates, P.O. Box 13525, 88839 Kota Kinabalu, Sabah	Tel: 088-411122, Fax: 088-411133	Cement
<b>STATE: SARAWAK (3 MANUFACTURERS)</b>				
16.	CMS Cement Sdn. Bhd.	Plant : Lot 5895, Jln. Kilang Simen, Kaw. Perindustrian Pending, 93450 Kuching, Sarawak, Office: Lot 5895, Jln. Kilang Simen Pending Industrial Estate P.O. Box 2000, 93740 Kuching, Sarawak	Tel: 082-332111(O)/ 082-332111(F), Fax: 082-483600(O)/ 082-482481(F)	Cement
17.	CMS Cement Sdn. Bhd.	Plant : Lot 74, Kaw. Perindustrian Kidurong, Off Km. 21, Jln. Tg. Kidurong, 97000 Bintulu, Sarawak, Office: Lot 5895, Jln. Kilang Simen Pending Industrial Estate P.O. Box 2000, 93740 Kuching, Sarawak	Tel: 082-332111(O)/ 086-254727(F), Fax: 082-483600(O)/ 086-254753(F)	Cement
18	CMS Cement Industries Sdn. Bhd.	Lot 571, Jln. Mambong, Off Jln. Borneo Heights, 93250 Kuching, Sarawak	Tel: 082-610229 Fax: 082-610227	Cement/ Clinker



## Appendix 13: Lime and Limestone Powder Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: PERLIS (4 MANUFACTURERS)				
1	Dolomite Kangar Manufacturing Sdn. Bhd.	Factory: Lot 5202, Jln. Kilang Gula, Kg. Kubang Tiga, Chuping, 02450 Bkt. Keteri, Perlis, Office: 36A Jln. Pekan Changlun 5, Pekan Changlun, Kedah	Tel: 04-9242361	Dolomite Powder
2	Northern Dolomite Sdn. Bhd.	Factory: Lot 5202, Felda Rimba Mas, Mkm. Titi Tinggi, 02100 Chuping, Perlis	Tel: 019-4571717	Dolomite Powder
3	Perlis Dolomite Industries Sdn. Bhd.	Factory: No. 2, Lot 5205, Felda Rimba Mas, Mkm. Titi Tinggi, 02100 Padang Besar, Perlis, Office : No. 5G, Adenium 2G/13, Pusat Perniagaan Adenium Seksyen BB5, 48300 Bkt. Beruntung Selangor	Tel: 012-2065666	Dolomite Powder
4	RD Minerals Sdn. Bhd.	Factory: Felda Rimba Mas, 02100 Padang Besar, Perlis	Tel: 019-4571717	Dolomite Powder
STATE: KEDAH (1 MANUFACTURERS)				
5	Schaefer Kalk (M) Sdn. Bhd.	Factory: Lot 45 & 46, Kaw. Perusahaan K. Ketil, 09300 K. Ketil, Kedah, Office: Lot 14-1, 1st Floor, Jln. 1/137C, Bedford Business Park, Bt. 5, Off Jln. Kelang Lama, 58000 K. Lumpur	Tel: 04-4160889 Fax: 03-77853602	Lime/ Quicklime/ Hydrated Lime/PCC
STATE: PERAK (35 MANUFACTURERS)				
6	Britestone Sdn. Bhd. (Lee Chau Ju Trading)	PT 2802, Kaw. Perindustrian, Keramat Pulai, 31300 Simpang Pulai, Perak	Tel: 05-2421977 Fax: 05-2421966	GCC
7	Calrock Sdn. Bhd.	No. 60, Portland Drive, Kaw. Perindustrian Tasek, 31400 Ipoh, Perak	Tel: 05-2911444 Fax: 05-2911106	GCC

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
8	CAO Minerals Sdn. Bhd.	Lot PT 1335, Kaw. Perindustrian Keramat Pulau, Kg. Kepayang, 31300 Simpang Pulau, Perak	Tel: 05-3574363 Fax: 05-3574917	GCC
9	Chee Kee Industries Sdn. Bhd.	Lot 104206, PL 6948, Kg. Kepayang, Mkm. Sg. Raia, 31300 Simpang Pulau, Perak	Tel: 05-3573651 Fax: 05-3573482	GCC
10	Chop Soon Heng	Next to Percetakan Nasional, Tasek, 31400 Ipoh, Perak	Tel: 05-5451330	Quicklime
11	GE-MGO Minerals Sdn. Bhd.	Lot 104206, Keramat Pulau, Mkm. Sg. Raia, 31300 Simpang Pulau, Perak	Tel: 05-3576188 Fax: 05-3576334	GCC/ Dolomite Powder
12	Gopeng Kalsium Sdn. Bhd.	PT 2649, Jln. Gopeng, Tmn. Perindustrian Tungzen, Mkm. Sg. Raia, 31300 Kg. Kepayang, Perak	Tel: 05-3541028 Fax: 05-3541029	GCC
13	Hattori Minerals (M) Industries Sdn. Bhd.	Lot PT 2291, Kaw. Perindustrian Kg. Acheh, 32000 Sitiawan, Perak	Tel: 05-6928223 Fax: 05-6928322	Dolomite Powder/ Phyrophyllite Powder
14	Hume Cement Sdn. Bhd.	No. 300254, Jln. Gopeng - Kota Bahru, 31610 Gopeng, Perak	Tel: 05-3583888 Fak: 05-3583822	GCC
15	ICB Carbonate Technologies Sdn. Bhd.	PT 3675, Jln. Keramat Pulau, Mkm. Sg. Raia, 31300 Simpang Pulau, Perak	Tel: 05-3577718 Fax: 05-3577299	GCC
16	Imerys Minerals (M) Sdn. Bhd.	Lot 104206, Kaw. Perindustrian Keramat Pulau, Kg. Kepayang, 31300 Simpang Pulau, Perak	Tel: 05-3574512 Fax: 05-3574360	GCC
17	K.Z. Kalsium Sdn. Bhd.	Bt. 6¾, Jln. Gopeng, Kg. Tanjung, 31300 Simpang Pulau, Perak	Tel: 05-3571315	GCC
18	Kam Hin Kilang Kapur	Kg. Bercham, 31250 Ipoh, Perak	Tel: 05-5022815	Quicklime
19	Keramat Pulau Minerals Sdn. Bhd.	LOT 104206, PL 6948, Keramat, Pulau, Mkm. Sg. Raia, 31300 Simpang Pulau, Perak	Tel: 05-3576188 Fax: 05-3576334	GCC
20	Kinta Powdertec Sdn. Bhd.	PT 2802, Kaw. Perindustrian Keeramat Pulau, 31300 Simpang Pulau, Perak	Tel: 03-55693231 Fax: 03-55693230	GCC
21	M.W. Chemical Products Sdn. Bhd.	Lot 142868 & 195808, Gunung Terundum, 31300 Simpang Pulau, Perak	Tel: 05-2546193	GCC

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
22	MCB Industries Sdn. Bhd.	Km. 76, Jln. Ipoh - Butterworth, Peti Surat 9, 34007 Taiping, Perak	Tel: 05-8915622 Fax: 05-8912295	Quicklime/ Hydrated Lime/ Calcium Carbide/ Acetylene Gas
23	Megah Jaya Industries Sdn. Bhd.	Lot 12526, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3573711 Fax: 05-3573799	Quicklime
24	NSL Chemicals (M) Sdn. Bhd.	Lot 38046, Bt. 5, Jln. Gopeng, Mkm. Sg. Raia, 32000 Simpang Pulai, Perak	Tel: 05-3572351 Fax: 05-3572397	Quicklime/ Hydrated Lime
25	Omya (M) Chemicals Sdn. Bhd.	PT 1089, HS(D) KA23173, Teluk Liat, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3579100 Fax: 05-3579104	GCC
26	Omya (M) Chemicals Sdn. Bhd. (CSI Corporation Sdn. Bhd.)	Lot PT 983, Kaw. Perindustrian Keramat Pulai, 31300 Simpang Pulai, Perak	Tel: 05-3579100 Fax: 05-3579104	GCC
27	Omya (M) Chemicals Sdn. Bhd. (Sun Minerals Sdn. Bhd.)	Lot PT 115755, Kaw. Perindustrian Bercham, 31250 Ipoh, Perak	Tel: 05-5462188 Fax: 05-5489112	GCC
28	Pulai Calcium Carbonate Industries Sdn. Bhd.	Lot PT 1335, Km. 2.5, Off Jln. Pengkalan, 31300 Simpang Pulai, Perak	Tel: 05-3574363 Fax: 05-3574917	GCC/ Dolomite Powder
29	RCI Lime Sdn. Bhd.	Lot 45157 & 45158, Peti Surat 18, Gunung Panjang, 31600 Gopeng, Perak	Tel: 05-3593188 Fax: 05-3593228	Quicklime/ Hydrated Lime
30	Sri Magjuta Sdn. Bhd.	Lot 28477, Jln. Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571315 Fax: 05-3572127	GCC
31	Superior Lime Sdn. Bhd.	Lot 115425 & 208549, Kg. K. Dipang, 31900 Kampar, Perak	Tel: 05-4660863	Hydrated Lime
32	Sykt. Cheng Sun Quarry Sdn. Bhd.	Lot 67887, Kg. Kepayang, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571502 Fax: 05-3571504	GCC
33	Sykt. Sim Quarry Sdn. Bhd.	Kg. Kepayang, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3124872 Fax: 05-3129148	GCC

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
34	Takehara Chemical (M) Sdn. Bhd.	Plot 82, Tmn. Seramik Chemor, Mkm. Chemor, 31200 Chemor, Perak	Tel: 05-2013855 Fax: 05-2013917	GCC/ PCC
35	TCYM Calcium Carbonate Industries Sdn. Bhd. (Lee Mun Sin Calcium Carbamate Industries)	Lot 104206, Kg. Tanjung, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3574193 Fax: 05-3574193	GCC
36	TKN Calcium Minerals Industries Sdn. Bhd.	Lot 3038, Jln. Changkat Larang, 31000 Batu Gajah, Perak	Tel: 05-5060971 Fax: 05-5063282	GCC
37	Uniko Calcium Carbonate Ind. Sdn. Bhd.	Lot 46454, Bt. 1½, Jln. Lahat, Kg. Kepayang, 31300 Simpang Pulai, Perak	Tel: 05-3571305 Fax: 05-3571167	GCC/ Dolomite Powder
38	Universal Lime Sdn. Bhd.	Lot 6200, Jln. Changkat Larang, Peti Surat 38, 31007 Batu Gajah, Perak	Tel: 05-3663688 Fax: 05-3661635	Hydrated Lime
39	Weng Fatt Calcium Industry Sdn. Bhd.	Lot 104206, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3572826 Fax: 05-3572826	GCC
40	Zantat Sdn. Bhd.	Lot 7, (PT21288), Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571853 Fax: 05-3571407	GCC
<b>STATE: SABAH (2 MANUFACTURERS)</b>				
41	Bestbricks (Sabah) Sdn. Bhd.	Factory: NT12302238, Kg. Lalan Senang Hati. P.O.Box 53, 91307 Semporna, Sabah Office: P.O.Box 33, 91007 Tawau, Sabah	Tel: 089-772277 Fax: 089-769955	GCC
42	Teck Guan Industries Sdn. Bhd.	Factory: Bt. 36, Jln. Apas, Tawau, Sabah Office: No. 318, Teck Guan Regency, Jln. St. Patrick, Off Jln. Belunu, P.O. Box 33, 91007 Tawau, Sabah	Tel: 089-775566 Fax: 089-769955	GCC
<b>STATE: SARAWAK (3 MANUFACTURERS)</b>				
43	Daily Chemical Industries Sdn. Bhd.	No. 32, Block 12, Jln. Mermbeh, 94000 Bau, Sarawak	Tel: 082-765373/016-8336562	Hydrated Lime
44	Lien Hoe Lime Industries Sdn. Bhd.	Batu 12, Jln. Kuching - Bau, 94000 Bau, Sarawak	Tel: 082-381599 Fax: 082-381599	GCC

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
45	Wan Li Marble Process Sdn. Bhd.	"B.O.T 3641, Jln. Sebuk, C/O: No. 17, Jln. Ong Guan Cheng, 94000 Bau, Kuching, Sarawak "	Tel: 082-370323	GCC
STATE: SELANGOR (3 MANUFACTURERS)				
46	CAO Industries Sdn.Bhd.	Lot 779, Bt. 22, Jln. Ipoh, 48200 Serendah, Selangor	Fax: 082-370240	Quicklime/ Hydrated Lime
47	APLUS Lime Sdn. Bhd.	Lot 2.51, Lion Industrial Park, 43700 Beranang, Selangor	Tel: 03-87244933 Fax: 03-87244922	Hydrated Lime
48	Compact Energy (Lion Asiapac) Sdn. Bhd.	Lot 2319, Kaw. Perindustrian Olak Lempit, Mkm. Tanjung Dua Belas, 42700 Banting, Selangor	Tel: 03-31812199 Fax: 03-31876304	Quicklime/ Hydrated Lime
STATE: TERENGGANU (1 MANUFACTURERS)				
49	Sibelco Asia Group (Kemaman) Formerly Unichamp Mineral Sdn. Bhd.	Factory: Lot 3366, Kaw. Perindustrian Telok Kalong, 24000 Kemaman, Terengganu Office: Lot 14, Tkt. 3, Jln. 1/137F, Bedford Business Park, Bt. 5, Jln. Klang Lama, 48000 K. Lumpur	Tel: 09-8631916 (F) 01361442000 (O)	GCC/ quicklime/ Hydrated Lime



## Appendix 14: Dimension Stone/Terrazzo Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (1 MANUFACTURERS)				
1	Stone World Sdn. Bhd.	PLO 466, Jln. Gangsa, Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor	Tel: 07-2517623 Fax: 07-2510560	Granite/ Marble
STATE: MELAKA (1 MANUFACTURERS)				
2	Hock Heng Granite Sdn. Bhd.	Lot 197, Jln. Sg. Putat, Batu Berendam, 75350 Melaka	06-3172028	Granite/ Marble
STATE: KELANTAN (1 MANUFACTURERS)				
3	CEP Resources Entitiy Sdn. Bhd.	Factory: Bkt. Batu Bong, Sg. Nenggiri, Gua Musang, Kelantan Office: 2nd Floor, Blok C-2-4, Plaza Desa Sri Hartamas, 50480 K. Lumpur		Marble
STATE: PERAK (22 MANUFACTURERS)				
4	Agrostone (M) Sdn. Bhd.	Lot 104206, Bt. 6¾, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3572829 Fax: 05-3573060	Marble Slab
5	Calcite Marble Company	Lot 47423, Kg. Tanjong, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571001 Fax: 05-3571001	Marble/ Granite Slab
6	C.L. Granite Sdn. Bhd.	Lot 62318, Bt. 3¼, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571330 Fax: 05-3572148	Marble/ Granite Slab
7	ES Marble Sdn. Bhd.	Lot 137, Pt 3118, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3577968 Fax: 05-3577970	Marble Slab
8	Karmarstone Sdn. Bhd.	Lot 18235, Jln. Lahat, Kg. Kepayang, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571675 Fax: 05-3571692	Marble Slab
9	KET Marble Sdn. Bhd.	Lot 57353, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571718 Fax: 05-3571718	Marble Slab
10	Stone Link Manufacturing Sdn. Bhd.	PT 46456, Bt. 2, Jln. Lahat, Kg. Kepayang, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3576422 Fax: 05-3574324	Marble Slab
11	Superkind Marble & Granite Sdn. Bhd.	Lot 13827, Jln. Lahat, Kg. Kepayang, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3575602 Fax: 05-3577232	Marble Slab
12	SE Supreme Marble & Granite Sdn. Bhd.	PT 968, Bt. 1½, Jln. Lahat, Kg. Kepayang, 31300 Simpang Pulai, Perak	Tel: 05-3573399 Fax: 05-3573291	Marble/ Granite Slab

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
13	S.P. Granite Sdn. Bhd.	Lot 399, Km. 2½, Off Jln. Pengkalan, 31300 Simpang Pulai, Perak	Tel: 05-3573399 Fax: 05-3573291	Marble/ Granite Slab
14	Kintaly Marble Sdn. Bhd.	Lot 104206, Bt. 6, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3574859 Fax: 05-3574860	Marble Slab/ Marble Furniture
15	SR Marble Sdn. Bhd.	Lot 6213, Kg. Kepayang, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571981 Fax: 05-3571288	Marble Slab/ Marble Furniture
16	Sri Martek Marble Industries (M) Sdn. Bhd.	Lot PT 19063, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3572900 Fax: 05-3572345	Marble Slab/ Marble Furniture
17	Chee Kee Industries Sdn. Bhd.	Lot 104206, Pl 6948, Kg. Kepayang, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3573651 Fax: 05-3573482	Terrazzo Chips
18	K.Z. Kalsium Sdn. Bhd.	Bt. 6¾, Jln. Gopeng, Kg. Tanjung, Keramat Pulai, 31300 Simpang Pulai, Perak	Tel: 05-3571315	Terrazzo Chips
19	Sri Magjuta Sdn. Bhd.	Lot 28477, Jln. Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571315 Fax: 05-3572127	Terrazzo Chips/ Pebbles
20	T.S. Stone Products	Lot 6175, Kg. Tanjong, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571390 Fax: 05-3571066	Terrazzo Chips
21	Watta Stone Enterprise	Lot 6A, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3576133 Fax: 05-3576940	Terrazzo Chips/ Pebbles
22	C.L. Granite Sdn. Bhd.	Lot 62318, Bt. 3¼, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571330 Fax: 05-3572148	Pebbles
23	MA Stone Resources Sdn. Bhd.	PT 129723, Jln. K. Kangsar, Kanthan, 31200 Chemor, Perak	Tel: 05-2012446 Fax: 05-2012448	Pebbles
24	YS Marble & Granite Works	Lot 6801, Keramat Pulai, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak		Pebbles
25	Yuen Tong Enterprise Sdn. Bhd.	Lot 50314, Bt. 6¾, Kg. Tanjong, Mkm. Sg. Raia, 31300 Simpang Pulai, Perak	Tel: 05-3571066 Fax: 05-3577031	Pebbles
STATE: SELANGOR (1 MANUFACTURERS)				

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
26	Purple Stone Sdn. Bhd. (New MK Marble & Granite Sdn. Bhd)	Factory: Lot 1086b, Jln. Sg. Lalang, Bt. 22½ , 43500 Semenyih, Selangor Office: No. 13, Jln. Bunga Telur 1, Tmn. Muda Cheras, 56100 K. Lumpur	Tel: 03-87243453 Fax: 03-87238490	Granite/ Marble Slab
STATE: WILAYAH PERSEKUTUAN KUALA LUMPUR (1 MANUFACTURERS)				
27	Jaya Terrazzo Sdn.Bhd.	Lot 315, South Garden, 57100 K. Lumpur	Tel: 03-90575023 Fax: 03-90578450	Terrazzo Chips
STATE: TERENGGANU (1 MANUFACTURERS)				
28	Lembaga Tabung Amanah Warisan Terengganu	Factory: Bkt. Chetai, Hulu Terengganu Office: Wisma Darul Iman, K. Terengganu	Tel: 09-6231957	Dimension Stone

## Appendix 15: Activated Clay / Bleaching Earth Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (1 MANUFACTURERS)				
1	Premier Bleaching Earth Sdn. Bhd.	PLO 228, Jln. Perak, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor	Tel: 07-2512411 Fax: 07-2514787	Bleaching Earth
STATE: PERAK (1 MANUFACTURERS)				
2	Taiko Bleaching Earth Sdn. Bhd.	Lot 169, Jln. Tali Air, Simpang Lima, Kaw. Perindustrian Parit Buntar, 34200 Parit Buntar, Perak	Tel: 05-7162911 Fax: 05-7163630	Bleaching Earth
STATE: SABAH (1 MANUFACTURERS)				
3	The W Clay Industries Sdn. Bhd.	Factory: Km. 12, Jln. Labuk, Jln. Kampung Melayu, Sandakan, Sabah, Office: P.O. Box 1733, 90719 Sandakan, Sabah	Tel: 089-674885, Fax: 089-674879	Bleaching Earth
STATE: SELANGOR (2 MANUFACTURERS)				
4	The W Clay Industries Sdn. Bhd.	Lot 14, Linkungan Sultan Hishamuddin 1, PKNS Industrial Estate, 42000 Port Klang, Selangor	Tel: 03-31766148	Bleaching Earth
5	TS Ceramic Materials (J) Sdn. Bhd.	Lot 14, Jln. Perusahaan 2, Kaw. Perusahaan Beranang, 43700 Beranang, Selangor	Tel: 03-87667861	Bleaching Earth

## Appendix 16: Other Non - Metallic Mineral - Based Products Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO	PRODUCT NAME
<b>STATE: JOHOR (2 MANUFACTURERS)</b>				
1	See Sen Chemical Berhad	PLO 276, Jln. Pekeliling, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor	Tel: 07-2512491/2, Faks: 07-2511090	Sodium Silicate
2	South Pacific Chemical Industries Sdn. Bhd.	PLO 274, Jln. Pekeliling, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor	Tel: 07-2511544, 07-2510100 / 07-2510200, Fax: 07-2514820	Sodium Silicate
<b>STATE: PERLIS (1 MANUFACTURERS)</b>				
3	Masfloor Sdn.Bhd.	Factory: Lot 2530, Kaw. Perusahaan Chuping, Chuping, Perlis	Tel: 04-9386393 Fax: 04-9382393	PVC Floor Covering
<b>STATE: MELAKA (1 MANUFACTURERS)</b>				
4	Roxul Asia (M) Sdn. Bhd.	175A & B, Kaw. Perindustrian Ayer Keroh, Jln. Lingkungan Usaha, 75450 Melaka	Tel: 06-2332070 Fax: 06-2332012	Rockwool/ Stonewool
<b>STATE: NEGERI SEMBILAN (1 MANUFACTURERS)</b>				
5	Zircosil (Malaysia) Sdn. Bhd. (Endeka Ceramics Sdn. Bhd)	Lot 52 & 56, Persiaran Bunga Tanjung 2, Senawang Industrial Park, 70400 Seremban, Negeri Sembilan	Tel: 06-6783122	Zirconium Silicate
<b>STATE: PAHANG (1 MANUFACTURERS)</b>				
6	South Pacific Chemical Inds. Sdn. Bhd.	Lot 101, Kaw. Perindustrian Gebeng, 26080 Kuantan, Pahang	Tel: 09-5835205 Fax: 09-5835197	Sodium Silicate
<b>STATE: PERAK (8 MANUFACTURERS)</b>				
7	Batamas Sdn. Bhd.	Lot 138321, Peti Surat 15, Jln. Changkat Larang, 31007 Batu Gajah, Perak	Tel: 05-5060190 Fak: 05-5063672	Calcium Silicate Brick
8	Changkat Rembian Mineral	PT 2992, Km. 10, Jln. Bidor - Teluk Intan, 35500 Bidor.	Tel: 016-5550868 Fax: 05-8076822	Clay Powder
9	Firebrick Industries (M) Sdn. Bhd.	Bt. 11½, Jln. Pusing - Seputih, 31550 Pusing, Perak	Tel: 05-2881009 Fax: 05-2881918	Refractory Mortar
10	Hattori Minerals (M) Industries Sdn. Bhd.	Lot PT 2291, Kaw. Perindustrian Kg. Acheh, 32000 Sitiawan, Perak	Tel: 05-6928223 Fax: 05-6928322	Phyrophyllite Powder



No.	COMPANY NAME	ADDRESS	CONTACT NO	PRODUCT NAME
11	Hume Cemboard Industries Sdn. Bhd.	Lot 127220, Kaw. Perindustrian Kanthan, 31200 Chemor, Perak	Tel: 05-2013688 Fax: 05-2013628	Cement Fibre
12	MCB Industries Sdn. Bhd.	76 Km, Butterworth - Ipoh Main Trunk Road, P.O. Box 9, 34007 Taiping, Perak	Tel: 05-8915622 Fax: 05-8915622	Acetylene/ Calcium Carbide
13	Pacific Refractory Industries Sdn. Bhd.	Lot 54, Medan Tasek, Kaw. PerindustrianTasek, 31400 Ipoh, Perak	Tel: 05-5461977 Fak: 05-5474748	Refractory Mortar
14	UAC Berhad.	No. 36, Jln. Portland, Kaw. PerindustrianTasek, 31400 Ipoh, Perak	Tel: 05-2912033 Fak: 05-2917712	Cement Fibre
STATE: SELANGOR (1 MANUFACTURERS)				
15	Rockwool Malaysia Sdn. Bhd.	Lot 4, Solok Waja 1, Bkt. Raja Industrial Estate, 41050 Klang, Selangor	Tel: 03-33468338 Fax: 03-3341 5779	Rockwool
STATE: TERENGGANU (1 MANUFACTURERS)				
16	Venator Materials Corporation	Teluk Kalong Industrial Estate, P.O. Box 29, 24007 Kemaman, Terengganu	Tel: 09-8631688	Titanium Dioxide

## Appendix 17: Iron and Steel-Based Products Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (19 MANUFACTURERS)				
1	Asas Angsana Sdn. Bhd.	Office: PLO 7, Jln. Perindustrian 2, Kaw. Perindustrian Pontian, 82000 Pontian, Johor Darul Takzim. Factory: PLO 4, Jln. Perindustrian 2, Kaw. Perindustrian Pontian, 82000 Pontian, Johor Darul Takzim	Tel: 07-6862396 / 2397 / 2399 Fax: 07-6862398	Steel Scaffolding Frames and Other Steel Accessories
2	Bahru Stainless Sdn. Bhd.	Office / Factory: PTD 4069(PLO 108), Jln. Rumbia 4, Tanjung Langsat Industrial Complex, 81750 Pasir Gudang, Johor	Tel: 019-7795888 Fax: 07-2513186	Stainless Steel
3	Chosen Metal Industries Sdn. Bhd.	Office / Factory: No 34, Jln. Masyhur 5, Tmn. Perindustrian Cemerlang, 81800 Ulu Tiram, Johor Bahru, Johor Darul Takzim	Tel: 07-8618972 Fax: 078616200	Metal Rack, Metal Storage and Basin, Metal Stamping and Fabrication of Steel
4	Dynaciate Engineering Sdn. Bhd.	Office / Factory: PLO 772, Zon 12B, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor, Malaysia	Tel: 607-256 7100 Fax: 607-256 7101	Fabricated Steel Structure, Metering Skid, Tank & Pressure Vessel, Process piping, Steel Reel, Structural Metal Products, Tanks and Container of Metal Products.
5	ERS Manufacturing Sdn. Bhd.	Office / Factory: No. 17, Jln. Laman Setia 7/5, Tmn. Laman Setia, 81550 Gelang Patah, Johor Darul Takzim	Tel: 07-5099910 / 9912 / 9941 Fax: 07-5099902 / 9962	Metal Products

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
6	Floodlit Enterprise (M) Sdn. Bhd.	Office / Factory: 26, Jln. Firma 1/5 Kaw. Perindustrian Tebrau 1, 81100 Johor Bahru, Johor Darul Takzim	Tel: 07-3544828 Fax: 07-3542928	Structural Metal Products, Steel Formwork for In-Situ Casting, Steel Moulds for Precast Concrete Components
7	HFB Technologies (M) Sdn. Bhd.	Office / Factory: No. 18, Jln. Gemilang 1, Tmn. Perindustrian Cemerlang, 81800 Ulu Tiram, Johor Darul Takzim	Tel: 07-8673168 Fax: 07-8671816	Steel Frames and Structures
8	H-Treatment (M) Sdn. Bhd.	Office / Factory: No. 21, Jln. Mega 1/6, Tmn. Perindustri Nusa, Cemerlang, 79200 Bandar Nusajaya, Johor	Tel: 07-5539533 Fax: 07-5539423	Heat Treatment Stainless Steel Products
9	Industrial Concrete Products Sdn. Bhd.	Office: Wisma IJM Annexe, Jln. Yong Shook Lin, 46050 Petaling Jaya, Selangor Darul Ehsan. Factory: CT 5435, Lot 5633, & CT 5445 Lot 5643, Jln. Seelong, Mkm. Senai-Kulai, Senai, Johor Darul Takzim. Postal: P O Box 191, Jln. Sultan, 46720 Petaling Jaya, Selangor Darul Ehsan.	Tel: 03-79558888 Fax: 03-79581111	Fabricated Metal Products, High Tensile Deformed Prestressing Steel Bars
10	MechMar Boiler (M) Sdn. Bhd.	Office: Lot 1, Jln. Perunding U1/17, Seksyen U1, Glenmarie Industrial Park, 40150 Shah Alam, Selangor Darul Ehsan. Factory: Lot 14, Jln. Timah, Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor	Tel: 03-55693688 Fax: 03-55691368	Hot Water Boilers, Thermal Fluids Heaters, Pressure Vessels, Steam Boilers.
11	MPSI Steel Industries Sdn. Bhd.	Office: No. 7, Jln. TUDM, Kg. Baru Subang, 40150 Shah Alam, Selangor. Factory: No. 7-9, Mkm. Ulu Sg. Johor, Kota Tinggi, Johor Darul Takzim.	Tel: 03-78462249 Fax: 03-78465953	Tankers, Port Trailers, Curtainsider, Passenger Step, Refuse Compactor.

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
12	NL Mechanical Engineering Sdn. Bhd.	Office / Factory: No. 50, Jln. Industri 2, Tmn. Perindustrian Pekan Nanas 81500 Pekan Nanas, Pontian, Johor Darul Takzim	Tel: 07-6994806 / 4807 Fax: 6994808	Rock Iron Gate
13	NSF Engineering Sdn. Bhd.	Office: No. 4B, Jln. Mawar 46, Tmn. Mawar 81700 Pasir Gudang, Johor Darul Takzim. Factory: No. 21, Jln. Perniagaan Setia 6, Setia Business Park II, Tmn. Perniagaan Setia, Johor Bahru, Johor Darul Takzim.	Tel: 07-2543871 Fax: 07-2543872	Structural and Mechanical Piping, Structural Metal Products
14	Perusahaan Sadur Timah Malaysia (PERSTIMA) Berhad	Office / Factory: PLO 255, Jln. Timah 3, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor. Postal: P O Box 26, 81707 Pasir Gudang, Johor Darul Takzim.	Tel: 07-20702793 Fax: 07-20324552	Steel Sheet (Electrode Galvanized, Hot Rolled, Cold Rolled, Electrolitic) Tin Plate, Steel Coil (Electrode Galvanized, Hot Rolled, Electrolitic, Cold Rolled) Tinplate.
15	PGEO Edible Oils Sdn. Bhd.	Office / Factory: PLO 338, Jln. Tembaga Dua, Kaw. Perindustrian Pasir Gudang, 81707 Pasir Gudang, Johor Darul Takzim	Tel: 07-2688222 Fax: 07-2514970	Steel Drums
16	South East Technologies Sdn. Bhd.	Office / Factory: 422E, Bt. 4, Jln. Kluang, 83000 Batu Pahat, Johor	Tel: 07-4312055 Fax: 07-4311690	Steel & Metal Doors & Frames
17	Steel Centre (M) Sdn. Bhd.	Office / Factory: PLO 61, Kaw. Perindustrian Senai III, 81400 Senai, Johor	Tel: 07-5992939 Fax: 07-5996330	Steel Coils, Steel Sheets
18	Universal Cable (M) Berhad	Office / Factory: No. 33, Jln. Tiran, Kangkar Tebrau, 81100 Johor Bahru, Johor Darul Takzim. Postal: P O Box 119, 80710 Johor Bahru, Johor Darul Takzim.	Tel: 07-3553333 Fax: 07-3555298	Aluminium Conductor Steel Reinforced (ACSR)

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
19	Yongnam Engineering Sdn. Bhd.	Office / Factory: No. 27, Jln. SiLC 1/5, Kaw. Perindustrian SiLC, Bandar Nusajaya, 79200 Nusajaya, Johor Darul Takzim	Tel: 07-5309555 Fax: 07-5309553	Other Fabricated Metal Products, Structural Metal Products
STATE: PENANG (22 MANUFACTURERS)				
20	Acku Metal Industries (M) Sdn. Bhd.	Office / Factory: Lot 2937, Jln. Bagan Lalang 1, Mkm. 16, Acku Industrial Estate, 13400 Butterworth, Penang	Tel: 04-3230888 Fax: 04-3230333	Drawn Wire, Drywall Screws, Self Drilling Screws, Chipboard Screws
21	Ann Joo Steel Berhad	Office / Factory Address: Lot 1236, Prai Industrial Estate, 13600 Prai, Penang. Postal Address: Wisma Ann Joo, lot 19391, Bt. 8 ½, Jln. Klang Lama, 46000 Petaling Jaya, Selangor	Tel: 04-3907144/ 3888300 Fax: 04-3975619/ 81406/ 84459/ 04534	Billets, Deformed Reinforcing Bars, Mild Steel Round Bars, Wire Rods, High Yield Deformed Bars.
22	Astino Netting Sdn. Bhd.	Office: 1538, MK12, Jln. Seruling, Kaw. Perindustrian Valdor, 14200 Sg. Bakap Seberang Prai Selatan, Penang Factory: Lot 1218, Jln. Serunai, Kaw. Perindustrian Valdor, Sg. Bakap, Seberang Perai Selatan, Penang	Tel: 04-5822620 Fax: 04-5828835	Metal Roofing Sheet, Metal Roll Forming, C Purlins.
23	BW Yee Seng Steel Industries Sdn. Bhd.	Office / Factory: 1571, Jln. Serunai, Kaw. Perindustrian Valdor, 14200 Sg. Bakap, Seberang Prai Selatan, Penang	Tel: 04-5859999 Fax: 04-5859988	Metal Roofing, Scaffolding and Accessories
24	Chung Yih Steel Sdn. Bhd.	Office / Factory: Mkm. 14, Lot 1147, Permatang Sena, Bkt. Minyak, 1400 Seberang Perai, Tengah, P. Pinang	Tel: 04-5871861 Fax: 04-5883868	Stainless Steel Bars, Alloy Tool Steel, Steel Bar
25	Eonmetall Technology Sdn. Bhd.	Office / Factory: Lot 1258, MK12, Jln. Seruling, Kaw. Perusahaan Valdor, 14200 Sg. Bakap, Penang	Tel: 04-5828323 Fax: 04-5821525	Machinery of Metallurgy, Flat Steel Products



No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
26	Epsilon Technology (M) Sdn. Bhd.	Office / Factory: Plot 179, MK 13 Jln. Perindustrian Bkt. Minyak, Kaw. Perindustrian Bkt. Minyak, 14000 Seberang Perai Tengah, Penang	Tel: 04-5013158 Fax: 04-5013157 / 3159	Stainless Steel Structure Works
27	High Ace Industries Sdn. Bhd.	Office / Factory: Plot 8 & 9, Lorong Perusahaan Bkt. Minyak 7, Kaw. perusahaan Bkt. Minyak, 14100 Seberang Perai Tengah, Penang	Tel: 04-5071888 Fax: 04-5070118	Stainless Steel Kettle
28	Le Nam Megasheet (M) Sdn. Bhd.	Office / Factory: No. 768, Lorong Perusahaan Bkt. Minyak 9, Kaw. Perindustrian Bkt. Minyak, MK 13, 14100 Seberang Perai Tengah, Penang	Tel: 04-5016133 Fax: 04-5016122	Metal Sheet, Coils, Metal Roofing Products
29	Leader Steel Sdn. Bhd.	Office / Factory: Wisma Leader Steel, Plot 85, Lorong Perusahaan Utama, Kaw. Perusahaan Bkt. Tengah, S.P.T Penang.	Tel: 04-5071515 Fax: 04-5079527	Iron Ore (Lumps, Fines, Crushed), Tube Hollow Section, Bar (Flat / Angle / Square), Hot Rolled / Cold Rolled Pipe.
30	Malayan Metal Works Sdn. Bhd.	Office / Factory: 2444, Lorong Perusahaan 1, Prai Industrial Estate, 13600 Penang	Tel: 04-3907476 Fax: 04-3996705	Steel Drum
31	Menara Kerjaya Fasteners Sdn. Bhd.	Office / Factory: 1563, MK15, Lorong IKS Simpang Ampat 1, Tapak IKS PERDA 14100 Simpang Ampat, Penang	Tel: 04-5882020 Fax: 04-5888018 / 1001	Steel Screws
32	PPI Industries Sdn. Bhd.	Office / Factory: 2431, Lorong Perusahaan 10, Prai Industrial Estate, 13600 Prai, Penang	Tel: 04-3907960 Fax: 04-3981741	Welded Steel Pipes and Related Products
33	Professional Tools & dies Sdn. Bhd.	Office / Factory: 7118, Jln. Mak Mandin, Kaw. Perindustrian Mak Mandin, 13400 Butterworth, Penang	Tel: 04-3322335 Fax: 04-3312337	Sheet Metal Stamping, Fabrication of Sheet Metal Stamping Dies

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
34	Rigel Metalcraft (M) Sdn. Bhd.	Office / Factory: Lot 4241, Mkm. 15, Lorong IKS Simpang Ampat, Tmn. IKS Simpang Ampat, 14100 Simpang Ampat, Penang	Tel: 04-5820667 Fax: 04-5820663	Stainless Steel Casting
35	Southern Steel Berhad	Office / Factory: 2723, Lorong Perusahaan 12, Prai Industrial Estate, 13600 Prai, Penang	Tel: 04-3906540 Fax: 04-3908060	Steel Bars, Steel Rods, Billet
36	Sun Sung Lee Engineering Sdn. Bhd.	Office / Factory: No. 1521, Ladang Valdor, Sg. Bakap, 14200 Sg. Jawi, Seberang Perai Selatan, Penang, Malaysia	Tel: 04-5828282 Fax: 04-5828383	Steel Metal Works, Steam Boilers, Other Fabricated Metal Products, Stainless Steel Tanks.
37	Superinox Pipe Industry Sdn. Bhd.	Office / Factory: No. 1584, MK12, Jln. Nafiri, Kaw. Perusahaan Valdor, 14200 Sg. Bakap, Penang	Tel: 04-5825511 Fax: 04-5828611	Welded Steel Pipes & Tubes
38	Thye Heng Engineering Sdn. Bhd.	Office / Factory: Plot 262, Jln. Perusahaan, Prai Industrial Estate, 13600 Prai, Penang, Malaysia	Tel: 604-390 7901 Fax:	Unfired Pressure Vessel, Other Fabricated Metal Products, Reservoirs and Container of Metal, Structural Metal Product.
39	Thye Heng Technology Sdn. Bhd.	Office / Factory: Plot 262, Jln. Perusahaan, Prai Industrial Estate, 13600 Prai, Penang, Malaysia	Tel: 604-390 7901 Fax:	Tanks, Reservoirs and Containers of Metal, Mechanical and Structural Assembly, Structural Metal Products
40	Thye Heng Technology Sdn. Bhd.	Office / Factory: Plot 262, Jln. Perusahaan, Prai Industrial Estate, 13600 Prai, Penang, Malaysia	Tel: 04-3907901 Fax: 04-3996262	Tanks, Reservoirs and Containers of Metal, Mechanical and Structural Assembly, Structural Metal Products

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
41	Yew Lean Foundry & Co Sdn. Bhd.	Office: 2579, Lorong Perusahaan 10, Prai Industrial Estate, 13600 Prai. Penang. Factory: 2432, Tingkat Perusahaan Enam, Prai Industrial Estate, 13600 Prai, Penang.	Tel: 04-3991819 Fax: 04-3999819	Ductile Iron Pipes, Iron Casting, Iron Fitting
STATE: KELANTAN (1 MANUFACTURER)				
42	Asahan Maju Industries Sdn. Bhd.	Office: Lot 679 Kaw. Perindustrian Pengkalan Chepa II 16100 Kota Bharu, Kelantan Darul Naim. Factory: Lot 630 & 679, Kaw. Perindustrian Pengkalan Chepa II, 16100 Kota Bharu, Kelantan Darul Naim	Tel: 09-7715150 / 15151 / 48389 / 15353 / 15350 Fax: 09-7715152 / 15355	Barbed Wires, Hard Drawn Wires, Cold Roll Steel Bars, Wire Nails, Roll Forming Metal Roofings
STATE: MELAKA (6 MANUFACTURERS)				
43	Central Cables Berhad	Office / Factory: 7862, Batu Berendam, 75350 Malacca	Tel: 06-2325821 Fax: 06-2325823	Aluminium Conductor Steel Reinforced (ACSR)
44	Jati Beringin Sdn. Bhd.	Office: Lot 930-1, Km. 15, 75250 Krubong, Melaka. Factory: No A-4, Kompleks Kilang SME Bank, KM11, Telok Mas, Melaka	Tel: 06-3355132 Fax: 06-3353914	Basic Iron & Steel, Other Fabricated Metal Products, Structural Metal Products, Treatment and Coating of Metal.
45	Panasonic Appliances Foundry Malaysia Sdn. Bhd.	Office / Factory: Lot 9 & 10, Tangga Batu Industrial Estate Tg Kling, 76400 Melaka	Tel: 06-3511444 Fax: 06-3511420	Precision Iron Casting Components For Compressor and Automotive Parts
46	Prym Consumer Malaysia Sdn. Bhd.	Office / Factory: Tanjung Kling Free Trade Zone, 76409 Tanjung Kling, Melaka	Tel: 06-3511211 Fax: 06-3511440	Pins (Steel Safety, Badge, Concorde, Colour Ball)
47	Uny Auto Industries Sdn. Bhd.	Office / Factory: 74-A, Jln. Usaha 12, Kaw. Perindustrian Air Keroh, 75450 Melaka	Tel: 06-2326885 Fax: 06-2327172	Mild Steel Exhausts

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
48	W. T. Wire Mesh Trading Sdn. Bhd.	Office / Factory: Lot 253, Kaw. Perindustrian Bkt. Rambai, Fasa 4B, 45250 Melaka	Tel: 06-3516379 Fax: 06-3516380	Wire Mesh, Fencing, Wire Products.
STATE: NEGERI SEMBILAN (8 MANUFACTURERS)				
49	AHI Roofing (Malaysia) Sdn. Bhd.	Office / Factory: Lot 12, Nilai Industrial Estate, 71800 Nilai, Negeri Sembilan	Tel: 06-7991877 Fax: 06-7991827	Steel Roofing Tiles
50	Chee Seng & co	Office / Factory: 529-A, Jln. Tuanku Antah, 70100 Seremban, Negeri Sembilan Darul Khusus	Tel: 06-7626573 Fax: 06-7631599	Metal Fabrication
51	Eastern Soldar (M) Sdn. Bhd.	Office / Factory: Lot 17239, Jln. Haruan 2, Oakland Industrial Park, 70200 Seremban, Negeri Sembilan Darul Khusus	Tel: 06-7646699 / 7633163 Fax: 06-7627500	Structural Steel Fabrication
52	Master Jaya Engineering Sdn. Bhd.	Office: Wisma Master Jaya, 20, Jln. Taming 3, Taming Jaya Industrial Park, 43300 Seri Kembangan, Selangor. Factory: Lot 8320, Jln. Permata 1, Arab-Malaysian Industrial Park, 71800 Nilai, Negeri Sembilan Darul Khusus.	Tel: 03-89626233 Fax: 03-89626211	Sheet Metal Fabrication, Steel Fabrication, Steel Plant and Rolling Mill Equipment, Thermal Oxidisers.
53	Seremban Engineering Berhad	Office: Lot 1A - 1C, Lorong Bunga Tanjung 1/3, Senawang Industrial Park, 70400 Seremban, Negeri Sembilan. Factory: Lot 6A, Lorong Bunga Tanjung 1/2, Senawang Industrial Park, 70400 Seremban Negeri Sembilan Darul Khusus.	Tel: 606-677 5898 Fax: 606-677 5162	Unfired Pressure Vessels, Skids, Conveyors, Pipe, Storage Tanks, Structural Metal Products
54	SKF Bearing Industries (Malaysia) Sdn. Bhd.	Office / Factory: Lot 7910, Kaw. Perindustrian Nilai, 71800 Nilai, Negeri Sembilan Darul Khusus. Postal: P O Box 26, 71807 Nilai, Negeri Sembilan Darul Khusus.	Tel: 06-7992200 Fax: 06-7992409	Ball & Roller Bearings, Seals

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
55	United Bolt & Nut Sdn. Bhd.	Office / Factory: Lot 70, Senawang Industrial Estate, 70450 Seremban, Negeri Sembilan Darul Khusus	Tel: 06-6758200 / 8223 Fax: 06-6773497	Mild Steel Bolts, High Tensile Bolts, Mild Steel Nuts, High Tensile Nuts
56	Wtech Resources Sdn. Bhd.	Office: No. 4, 1st Floor Yam Tuan, 70000 Seremban, Negeri Sembilan Darul Khusus. Factory: No. 13, Jln. Industri Galla 3, Gala Industrial Park, 70200 Seremban, Negeri Sembilan Darul Khusus.	Tel: 06-7656999 Fax: 06-7656999	Steel Structures
STATE: PAHANG (3 MANUFACTURERS)				
57	Amalgamated Metal Corporation (M) Sdn. Bhd.	Office: No 47, (Lot 540), Jln. TUDM, Kg. Baru Subang, 40150 Shah Alam, Selangor Darul Ehsan Factory: Lot 109B & 23C, Kaw. Perindustrian Gebeng, 26080 Kuantan, Pahang Darul Makmur.	Tel: 03-78461389 Fax: 03-78463795	Heat Exchangers(Shell and Tube), Columns, Fabricated Steel Products, Silos, Steam Boilers, Drums, Flare Stacks.
58	Engtex Ductile Iron Pipe Industry Sdn. Bhd.	Office: Lot 36, Jln. BRP 9/2B, Putra Industrial Park, Bkt. Rahman Putra, 47000 Sg. Buluh, Selangor. Factory: Lot 68, Jln. Gebeng 1/6, Gebeng Industrial Estate, Kuantan, Pahang Darul Makmur.	Tel: 03-61401111 Fax: 03-61414868	Ductile Iron Pipe
59	Engtex Ductile Iron Pipe Industry Sdn. Bhd.	Office: Lot 36, Jln. BRP 9/2B, Putra Industrial Park, Bkt. Rahman Putra, Sg. Buloh, Selangor. Factory: Lot 68, Jln. Gebeng, 1/6, Gebeng Industrial Estate, Kuantan, Pahang Darul Makmur.	Tel: 03-61401111 Fax: 03-61414868	Ductile Iron Pipes
STATE: PAHANG (27 MANUFACTURERS)				
60	AEL Engineering Sdn. Bhd.	Office / Factory: Lot 72 & 73, Jln. Bunga Raya, Parit Buntar Industrial Estate, 34200 Parit Buntar, Perak Darul Ridzuan	Tel: 05-7169550 Fax: 05-7169557	Steel Structures



No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
61	Aksesori Setia Sdn. Bhd.	Office / Factory: Plot 32, Lengkok Rishah 1, Kaw. Perindustrian Silibin, 30100 Ipoh, Perak Darul Ridzuan	Tel: 05-5276055 / 6058 Fax: 05-5276063	Steel Drawer
62	Antara Steel Mills Sdn. Bhd.	Office: Level 14, Office Tower, No. 1, Jln. Nagasari (Off Jln. Raja Chulan), 50200 K.L. Factory: Ranca-ranca Industrial Estate, P O Box, No 81555, W.P Labuan.	Tel: 03-21420155 Fax: 03-21481036	Steel Bars, Steel Sections, Hot Briquetted Iron
63	Central Aluminium Manufactory Sdn. Bhd.	Office / Factory: Bt. 12, Jln. Hutan Melintang, 36400 Hutan Melintang, Perak Darul Ridzuan	Tel: 05-6411046 / 1642 Fax: 05-6411115 / 5375	Stainless Steel Kitchen Sinks, Stainless Steel Culteries, Stainless Steel Water Tanks, Stainless Steel Household Utensils
64	Chiang Ying Manufacturing Sdn. Bhd.	Office / Factory: No. 10, Lengkok Rishah 1, Kaw. Perusahaan Silibin, 30100 Ipoh, Perak	Tel: 05-5265381 Fax: 05-5267802	Metal Products
65	Choo Bee Metal Industries Berhad	Office: Wisma Soon Trik Aun, Lot 013513S - 013517S, Jln. Bendahara, 31650 Ipoh, Perak Darul Ridzuan. Factory: Lot 65580, Kaw. Perusahaan Pengkalan, 31500 Lahat, Ipoh, Perak Darul Ridzuan.	Tel: 05-2558111 Fax: 05-2539928	Square and Rectangular Hollow Sections, Steel Pipes, Steel Coils, Stainless Steel Pipes, Steel Channels.
66	Colourcoil Industries Sdn. Bhd.	Office / Factory: KM 25, Off Tuaran Road, Telipok, 88450 Kota Kinabalu, Sabah. Postal: P.O.Box 21918, 88777 Luyang, Kota Kinabalu, Sabah	Tel: 088-496222 Fax: 088-499918	Coating of Metals, Steel Sheet In Coil

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
67	Devessel Engineering Sdn. Bhd.	Office: No 63B, Lorong 16 Bercham, 31400 Ipoh, Perak Darul Ridzuan. Factory: Plot 6006, Off Persiaran Batu Gajah 10, Kaw. Perindustrian Perdana, 31550 Pusing, Perak Darul Ridzuan.	Tel: 05-5482202 Fax: 05-5482202	Structural Metal Products, Other Fabricated Metal Products
68	Essentra Asia Sdn. Bhd.	Office / Factory: Lot 196803, Hala Jati 12, Kaw. Perindustrian Tmn Meru, Off Jln. Jelapang, 30020 Ipoh, Perak	Tel: 05-5018100 Fax: 05-5018102	Security Seals Metal
69	IAC Electricals (M) Sdn. Bhd.	Office: 41C Jln. SS3/29, Pusat Dagangan Tmn. Universiti, 47300 Petaling Jaya, Selangor Darul Ehsan. Factory: Plot 20 Bemban Industrial Estate, Km. 3, Jln. Bemban, 31000 Batu Gajah, Perak Darul Ridzuan.	Tel: 03-78753010 Fax: 03-78753599	Transmission Line Steel Structure
70	KCSS Wire Mesh Sdn. Bhd.	Office / Factory: PT 132711, Off Persiaran Kledang Utara 1/5, Kaw. Perindustrian Negara Jaya, 31450 Ipoh, Perak	Tel: 05-2817312 Fax: 05-2817311	Wire Mesh, BRC, PRC Roll, Welded Fencing
71	Kina Roof Industries (Sabah) Sdn. Bhd.	Office / Factory: Lot 9, Jln. 2A, KKIP Timur 1Z8A, 88460 KKIP, Kota Kinabalu, Sabah	Tel: 088-494333 / 8333 Fax: 088-499933	Structural Metal Products (Rain Gutter, Capping, Wall Flashing, Valley Gutter)
72	Lysaght Corrugated Pipe Sdn. Bhd.	Office: Lot 3, Medan Tasek, Tasek Industrial Estate, 31400 Ipoh, Perak Darul Ridzuan. Factory: Lot 226181, Jln. Johan 1/7, Kaw. Perindustrian Pengkalan II, Fasa II, Off Jln. Pusing, 31550 Pusing, Perak Darul Ridzuan. Postal: P O Box 334, 30740 Ipoh, Perak Darul Ridzuan.	Tel: 05-5451822 Fax: 05-5496373	Galvanized (Highway Furniture, Lysaght Poles, Corrugated Steel Pipes, Highway Guard Rail, Lysaght Masts)
73	Mega Housewares Industries Sdn. Bhd.	Office / Factory: Lot 32674, Bt. 3, Jln. Jelapang, 31200 Chemor, Perak Darul Ridzuan	Tel: 05-2015119 Fax: 05-2012117	Stainless Steel Cookware

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
74	MSBB Engineering Sdn. Bhd.	Office / Factory: PT 9711, Jln. Johan 2/6 Estate Perindustrian Pengkalan 2, 31550 Pusing Perak Darul Ridzuan	Tel: 05-3668028 / 9029 Fax: 05-3669030	Casting of Iron and Steel
75	PMI-Technology Sdn. Bhd.	Office: No. 17 & 19, Jln. Pengacara U1/48, Temasya Industrial Park, 40150 Shah Alam, Selangor, Malaysia. Factory: Lot 11004, 4 ¾, Miles, Jln. Lahat, 31500 Ipoh, Perak Darul Ridzuan.	Tel: 603 - 5569 3993 Fax: 603 - 5569 3131	Pressure Leaf Filters, Agitators, Pressure Vessels, Tanks, Columns, Structure Metal Products, Filter Presses.
76	Rubysteel Metal Industry (M) Sdn. Bhd.	Office / Factory: Railway Wharf, Jln. Maharaja Lela, 36000 Teluk Intan, Perak	Tel: 05-6224981 Fax: 05-6211699	Stainless Steel Kichen Utensils
77	SRT Building Systems Sdn. Bhd.	Office: 35 & 35A, Lintasan Perajurit 17, Tmn. Perdagangan dan Perindustrian Ipoh, 31400 Ipoh, Perak Darul Ridzuan. Factory: Lot 20779 & 20780, Jln. Logam 2, Perindustrian Kamunting Raya, 34600 Kamunting, Perak	Tel: 05-5423041 Fax: 05-5423042	Steel Roof Truss
<b>78 STATE: SABAH (3 MANUFACTURERS)</b>				
79	TI Metal Forgings Sdn. Bhd.	Office / Factory: 6, Jln. Kilang Satu, Kaw. Perindustrian Jelapang, Tmn. Pertama, 30100 Ipoh, Perak Darul Ridzuan.	Tel: 05-5266366 Fax: 05-5277366	forged Part For Civil, Special Bolt, Screw, Nut, Washer.
80	Tiger Casting Solution Sdn. Bhd.	Office / Factory: Plot 87, Jln. Johan 1/2, Kaw. Perindustrian Pengkalan 2, 31550 Pusing, Perak Darul Ridzuan.	Tel: 05-3652061 / 2178 Fax: 05-3653061	Casting of Iron & Steel
81	Tigges Fastener Technology (M) Sdn. Bhd.	Office / Factory: Lot 197067, Jln. Klebang 1/6, Zon Perdagangan Bebas Kinta, 31200 Chemor, Perak Darul Ridzuan.	Tel: 05-2911040 / 1041 / 1045 Fax: 05-2924943 / 2911050	Stainless Steel Fasteners

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
82	UAC Berhad	Office: Level 10, Menara UAC 12, Jln. PJU 7/5, Mutiara Damansara 47800 Petaling Jaya Selangor Darul Ehsan. Factory: 36, Jln. Portland, Tasek Industrial Estate, Perak Darul Ridzuan.	Tel: 03-77219393 Fax: 03-77219300	Metal Roofing
83	Vestech Engineering Sdn. Bhd.	Office / Factory: Lot 65546, Bt. 8 Jln. Tambun, 31150 Ulu Kinta, Perak Darul Ridzuan. Postal: 27A, Jln. Permas 1/5, Bandar Baru Permas jaya, 81750 Plentong, Johor Darul Takzim.	Tel: 05-5332385 / 2388 Fax: 05-5332389	Steel Structures (Cooling Coils and Piping for Oil and Gas)
84	Wei Dat Wiremesh Netting Sdn. Bhd.	Office/Factory: 1, Persiaran Perusahaan Kledang Utara 1/5, Kaw. Perindustrian Chandan Raya, Menglembu, 31450 Ipoh, Perak Darul Ridzuan	Tel: 05-2829220/ 2862210/ 2211/ 2212 Fax: 05-2821220	Mild Steel Gratings, Mild Steel Round Bars, Steel Wire, Wire Mesh
85	Wing-M Chemical Sdn. Bhd.	Office: Lot 31777, Kg. Ulu Chemor, 31200 Chemor, Perak Darul Ridzuan.	Tel: 05-2018182 Fax: 05-2013501	Structural Metal Products
86	Yoonsteel (Malaysia) Sdn. Bhd.	Office / Factory: Site 14, Tasek Industrial Estate, 31400 Ipoh, Perak	Tel: 05-5451700 Fax: 05-5461506	Alloy Steel, Iron Casting
<b>STATE: SARAWAK (5 MANUFACTURERS)</b>				
87	Asteel Sdn. Bhd.	Office / Factory: Lot 712, Blok 7, Demak Laut Industrial Park, 93050 Kuching, Sarawak	Tel: 082-433888 Fax: 082-433889	Metal Roofing, Coated Steel Products
88	KKB Engineering Berhad	Office / Factory: Lot 865, Section 66, Jln. Kilang, Bintawa Industrial Estate, 93450 Kuching, Sarawak	Tel: 082-333877 Fax: 082-331152	Steel Lighting Column, Steel Fabrication, Steel Pipes, Tank.
89	NS Bluscope Lysaght (Sarawak) Sdn. Bhd.	Office / Factory: Lot 610, Section 66, Pending Industrial Area, Jln. Merbau, 93450 Kuching, Sarawak.	Tel: 082-333621 Fax: 082-483486	Metal Roofing

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
90	Sarawak Land Shipyard Sdn. Bhd.	Office: Lot 306, Jln. Krokop 3, 98000 Miri, Sarawak. Factory: Lot 172, Block 1, K. Baram Land District, Miri, Sarawak.	Tel: 085-419321 Fax: 085-435470	Structural Metal Products
91	Sarwaja Timur Sdn. Bhd.	Office / Factory: Lot 342, Block 8, MTLD, Jln. Kg. Sejingkat, 93050 Kuching, Sarawak	Tel: 082-439688 Fax: 082-439788	Basic Iron & Steel Products, Structural Metal Products
STATE: SELANGOR (63 MANUFACTURERS)				
92	Ametal Tech Sdn. Bhd.	Office / Factory: 5213B, Jln. Balakong Bt. 12, Kaw. Perindustrian Balakong Jaya, 43300 Seri Kembangan, Selangor	Tel: 03-89612281 Fax: 03-89617781	Sheet Metal Products, Metal Engineering Fabrication.
93	Amsteel Mills Sdn. Bhd.	Office / Factory: Lot 1, Jln. Waja, Bkt. Raja Industrial Estate, 41050 Klang, Selangor	Tel: 03-33412322 Fax: 03-31822356	Mild Steel Round Bars, High Tensile Deformed Bars, Flat Bars, Wire Rods.
94	Anggerik Laksana Sdn. Bhd.	Office: D3A - 6, Pusat Perdagangan Dana 1, Jln. PJU1A/46, PJU1A, 47301 Petaling Jaya, Selangor Darul Ehsan. Factory: Lot 4630, Kg. Bestari Jaya, 45600 Bestari Jaya, Selangor Darul Ehsan.	Tel: 03-78428811 Fax: 03-78428877	Carbon Steel Pipe Fittings and Flanges
95	Anshin Precision Industry Sdn. Bhd.	Office / Factory: Lot 513 (PT 83), Jln. TUDM, Seksyen U6, Kg. Baru Subang, 40150 Shah Alam, Selangor Darul Ehsan	Tel: 03-78590781 Fax: 03-78590783	Precision Metal Stamping for Automotive, Electrical & others
96	Array Metal (M) Sdn. Berhad	Office / Factory: Sublot No 5, Lot 6539 Bt. 6, Jln. Bkt. Kemuning Seksyen 34, 40470 Shah Alam, Selangor Darul Ehsan	Tel: 03-51201310 / 1211 / 1312 / 51623148 Fax: 03-51201316	Flexistrut Channel Metal Frames, Perforated Steel Materials, Cable Support Systems
97	Arrow Steel Sdn. Bhd.	Office / Factory: Lot PT 1360, Jln. IGU7, Industri Garing Utama, 48000 Rawang, Selangor Darul Ehsan	Tel: 03-60934840 Fax: 03-60912254	Drywall Steel Frame, Ceiling Steel Frame



No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
98	Auto Cast Sdn. Bhd.	Office / Factory: Lot 1-56, PT 3420, Jln. Perindustrian Mahkota II, Tmn. Perindustrian Mahkota, Mkm. Beranang, Daerah Hulu Langat, 43700 Beranang, Selangor	Tel: 03-87245107 Fax: 03-87245103	Iron Cast, Ductile Iron, Alloy Steel, Stainless Steel
99	Ban Lee Hin Engineering & Construction Sdn. Bhd.	Office / Factory: 18, Jln. BS 7/12, Kaw. Perindustrian Bkt. Serdang, 43300 Seri Kembangan, Selangor Darul Ehsan. Factory: Lot 1209, Bt. 2, Jln. Bangi, 43500 Semenyih, Selangor Darul Ehsan.	Tel: 03-89432254 / 2258 Fax: 03-89432512	Structural Metal Products
100	Dexion Asia Sdn. Bhd.	Office: MR02-01-01, Sri Acappella Commercial Annexe, Jln. Lompat Tinggi 13/33, Section 13, 40100 Shah Alam, Selangor Darul Ehsan. Factory: Lot 19 & 25, Jln. Sg. Pinang 5/3, Seksyen 13, 40100 Shah Alam, Selangor Darul Ehsan.	Tel: 03-55206000 Fax: 03-55111699	Racking System, Mobile Shelving System
101	Ducero Sdn. Bhd.	Office: No 22, Jln. Batai Laut 4, Kaw. 16, Tmn. Intan, 41300 Klang, Selangor Darul Ehsan. Factory: No. 26, Jln. Anggerik Mokara 31/59, Kota Kemuning, Seksyen 31, 40460 Shah Alam, Selangor Darul Ehsan.	Tel: 03-33445748 Fax: 03-33430724	Other Fabrication Metal Products not Elsewhere Classified, Forging, Pressing, Stamping and Roll Forming of Metal: Powder Metallurgy, Structural Metal Products
102	Dunham-Bush Industries Sdn. Bhd.	Office / Factory: Lot 5755-6, Kidamai Industrial Park, Bkt. Angkat, 43000 Kajang, Selangor	Tel: 03-89259688 Fax: 03-89259681	Grille, Air Conditioning Equipment, Exhaust Fan, Refrigeration Equipment, Air Diffuser

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
103	Eco Power Synergy Sdn. Bhd.	Office: No. 1A, Jln. Kenari 9, Bandar Puchong Jaya, Bt. 8, 47100 Puchong, Selangor Darul Ehsan. Factory: Lot 102541, (Fasa 2), Jln. Sg. Pinang 5/2, Tmn. Perindustrian P. Indah, 42920 P. Indah, Selangor Darul Ehsan.	Tel: 03-80768024 Fax: 03-80768026	Wire Steel
104	Elpion Silicon Sdn. Bhd.	Office / Factory: Persiaran Perindustrian Banting, Kaw. Perindustrian Bandar Mahkota, 42700 Banting, Selangor	Tel: 03-31826311 Fax: 03-31826301	Metallurgical Grade Silicon
105	FEC Cables (M) Sdn. Bhd.	Office: No. 1, Persiaran Raja Muda, 40000 Shah Alam, Selangor Darul Ehsan. Factory: No. 16 Jln. Keluli 2, Bkt. Raja Industrial Area, Klang, Selangor Darul Ehsan. Postal: P. O Box 7006, 40700 Shah Alam, Selangor Darul Ehsan.	Tel : 03-55191110 Fax: 03-55138688 / 91296	Aluminium Conductor Steel Reinforced (ACSR)
106	FIW Steel Sdn. Bhd.	Office / Factory: No. 3, Jln. Keluli 1, Bkt. Raja Industrial Estate, 40000 Shah Alam, Selangor	Tel: 03-33431177 Fax: 03-33426721	Zinc Coated Steel (Sheet, Coil) Galvanized (Sheet, Coil)
107	Frosco (M) Sdn. Bhd.	Office / Factory: No. 12, Jln. TIB 1/3, Tmn. Industri Bolton, 68100 Batu Caves, Selangor	Tel: 03-61859262 Fax: 03-61859279	Drainage Products in Stainless Steel & Cast Iron
108	Hunter Douglas (Malaysia) Sendirian Berhad	Office / Factory: Lot 493, Persiaran K. Selangor Section 26, 40400 Shah Alam, Selangor Darul Ehsan	Tel: 03-51912020 Fax: 03-51912885	Roll Formed Metal Ceiling, Roll Formed Metal Wall Cladding, Galvanized Steel Panel Stock (Painted)
109	Jemco Manufacturing Sdn. Bhd.	Office / Factory: Lot 1852, Jln. KPB 8, Bkt. Belimbing, 43300 Balakong, Selangor Darul Ehsan	Tel: 03-89618888 Fax: 03-89626864	Gondola System, Boltless System (Steel Racking and Shelving)

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
110	Kemuncak Engineering Supplies Sdn. Bhd.	Office / Factory: No 12, Jln. Wawasan 3/KU7, Sg. Kampar Indah, 42209 Klang, Selangor Darul Ehsan	Tel: 03-32910488 / 2488 Fax: 03-32914088	Offshore Metal Basket, Offshore Metal Container
111	Kendek Products Sdn. Bhd.	Office / Factory: Lot 1032, Jln. KB 2/15 Balakong, Seri Kembangan, 43300 Selangor Darul Ehsan	Tel: 03-89611100 Fax: 03-89613690	Stainless Steel Parts for Dipped Latex, Metal Parts for Dipped Latex
112	KNM Process Systems Sdn. Bhd.	"Office (HQ): No. 15, Jln. Dagang SB 4/1, Tmn. Sg. Besi Indah, 43300 Seri Kembangan, Selangor, Malaysia Factory: 1) Lot 1593 & 1594, Kg. Lepau, Mkm. Pengerang, Daerah Kota Tinggi, Johor 2) Lot 1586 & 1587, Kg. Lepau, Mkm. Pengerang, Daerah Kota Tinggi, Johor, Malaysia 3) Lot 208, Bkt. Rambai Industrial Estate, Jln. PBR 19, 75250 Melaka, Malaysia 4) Lot 105-106, Gebeng Industrial Estate, Jln. Gebeng 1/6, 26080 Kuantan, Pahang, Malaysia 5) Lot 75, Gebeng Industrial Estate, Jln. Gebeng 1/6, 26080 Kuantan, Pahang, Malaysia 6) Lot 17, HICOM Industrial Area, Sector B, Section 26, 40000 Shah Alam, Selangor"	Tel: 603-8946 3000 Fax: 603-8943 4781	Mounded Bullets, Pressure Vessels, Heat Exchanger & Air Coolers, Process Skids, Storage Tanks & Spheres, Piping & Pipe Lines Systems, Specialised Structural Steel Systems, Fabricated metal Products
113	Kong Brothers Engineering Works Sdn. Bhd.	Office / Factory: Lot 6, Jln. 241/51A, 46100 Petaling Jaya, Selangor, Malaysia	Tel: 603-7875 4751 Fax: 603-7876 7462 / 7875 6007	Pressure Vessels, Dish Heads, Skid, Metal Storage Tanks

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
114	Kuantan Wire Products Sdn. Bhd.	Office: Lot 104, Jln. Industri Semambu 6, Kaw. Perindustrian Semambu, 25350 Kuantan, Pahang Darul Makmur. Factory: Lot 46, Jln. Jasmine 3, Bkt. Beruntung, Selangor Darul Ehsan.	Tel: 09-5563750 Fax: 09-5563751	Steel Fabric for Reinforcement Concrete, Metal Roofing Sheet, Panel and Door, Hard Drawn Wires.
115	Kyodo Steel Sdn. Bhd.	Office / Factory: No. 12, Jln. TIAJ 2/6, Tmn. Industri Alam Jaya, 42300 Bandar Puncak Alam, Selangor	Tel: 03-60381668 Fax: 03-60382668	Scaffolding, Steel Truss, Air Ducting Accsesories.
116	Lincon Manufacturing Sdn. Bhd.	Office / Factory: Lot 612, Jln. Perak, Bt. 9 ½, Kaw. Perindustrian Telok Panglima Garang, 42500 K. Langat, Selangor	Tel: 03-31222033 Fax: 03-31222023	Steel Pipe Nipple, Steel Pipe Ready Cut Pipe
117	Macglotech Steel Service Centre Sdn. Bhd.	Office: Lot 3801, Bt. 6 ¼, Jln. Klinik, Bkt Kemuning, Seksyen 32, 40460 Shah Alam, Selangor Factory: Lot 37901, 6 ¼ Miles, Jln. Klinik Bkt. Kemunting, Seksyen 32, 40460 Shah Alam, Selangor	Tel: 03-51618003 Fax: 03-51618030	High Speed Stamping Steel Products
118	Mackenzie Industries Sdn. Bhd.	Office / Factory: Lot 1930, Bt. 7, Jln. Bkt. Kemuning, Seksyen 32, 40460 Shah Alam, Selangor	Tel: 03-51230088 Fax: 03-51230077	Steam generator and Boiler
119	Malaysia Steel Works (KL) Bhd.	Office / Factory: 29C, Off Jln. Tandang, Section 51, 46050 Petaling Jaya, Selangor, Malaysia	Tel: 603-7781 1611 Fax: 603-7781 5612	Steel Billets, Steel Bars
120	Manchu Spring Sdn. Bhd.	Office / Factory: No. 1, Jln. Wawasan 1, Sg. Kapar Indah, Bt. 6, Jln. Kapar, 42200 Klang, Selangor	Tel: 03-32917382 Fax: 03-32917384	Carbon Steel Springs, Stainless Steel Springs, Precision Metal Stamping

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
121	Mega-1 Engineering Sdn. Bhd.	Office: D-S-5-01, Metropolitan Square, Block D Office Suites, No. 2, Jln. PJU 8/1 Bandar Damansara Perdana 47820 Petaling Jaya, Selangor Darul Ehsan. Factory: Lot PT 7784, Jln. Teratai, Kg. Paya Jaras Hilir, 40160 Sg. Buloh, Selangor Darul Ehsan.	Tel: 03-77337522 Fax: 03-77339522	General Fabrication and Section of Structural Steel Works
122	Metal Reclamation (Industries) Sdn. Bhd.	Office / Factory: No 51-0, Jln. Delima 19/KS9, Bandar Parklands, 41200 Klang, Selangor Darul Ehsan.	Tel: 03-33198381 Fax: 03-33193759	Lead Alloy Inggots
123	Metalworks Engineering Sdn. Bhd.	Office / Factory: No. 2, Jln. 2/2A, Tmn. Industri Selesa Jaya, Off Jln. Balakong, 43300 Seri Kembangan, Selangor	Tel: 03-89616779 Fax: 03-89616773	Steel (Fabrication, Pile, Joints, Moulds, Structural, Tanks, Piling Components)
124	MMC Tepat Teknik Sdn. Bhd.	Office: Lot 1, Jln. Halba 16/16, Section 16, 40000 Shah Alam, Selangor, Malaysia. Factory: Lot 1605, Sg. Kandia, Off Jln. Kg. Jawa, Shah Alam, Selangor Darul Ehsan.	Tel: 603-55101721 Fax: 603-55101730	Structural Metal Products, Other Fabricated Metal Products Not Classified, Tanks, Reservoirs and Container of Metal.
125	MSM Metal Industries Sdn. Bhd.	Office / Factory: Lot 1909, Jln. KPB5, Kaw. Perindustrian Kg. Baru Balakong, 43300 Seri Kembangan, Selangor	Tel: 03-89626618 Fax: 03-89623353	Customized Structural Steel, Metal Products
126	NETC Asia Resources Sdn. Bhd.	Office: No 50, Jln. SS26/11 Tmn. Mayang Jaya, 47301 Petaling Jaya, Selangor Darul Ehsan. Factory: No 7 (Lot 2608), Jln. Subang 6, Persiaran Subang, Tmn. Persiaran Subang, 47610 Subang Jaya, Selangor Darul Ehsan.	Tel: 03-78064109 Fax: 03-78048753	Steel Partitions, Windows and Door Frames



No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
127	NS Bluescope Malaysia Sdn. Bhd.	Office / Factory: Lot 1551, Jln. Bkt. Kapar, 42200 Kapar, Selangor	Tel: 03-33616888 Fax: 03-33616890	Zinc-Aluminium Coated on Non Alloy Steel Coil.
128	Pacestar Industries (Selangor) Sdn. Bhd.	Office / Factory: PT 6382 (Lot 2207), Jln. Kasawari, Bt. 9 Off Jln. Kebun Baru, 42500 Telok Panglima Garang, Selangor Darul Ehsan	Tel: 03-31228628 Fax: 03-31220175	Precision Metal Stamping
129	Pan-Merchant industries Sdn. Bhd.	Office / Factory: No 17 & 19, Jln. Pengacara U1/48 Temasya Industrial Park, 40150 Shah Alam, Selangor Darul Ehsan	Tel: 03-55693993 Fax: 03-55693131	Structural Metal Products
130	PHH Special Steel Sdn. Bhd.	Office / Factory: Lot 2, Jln. CJ1/6C, Kaw. Perusahaan Cheras Jaya, 43200 Selangor	Tel: 03-90756800 Fax: 03-90756866	Casting of Iron & Steel, Structural Metal Product, Other Fabricated Metal Products Not Elsewhere Classified.
131	Pipemate Sdn. Bhd.	Office / Factory: No. 28, Lot 17512, Jln. Dua, Kaw. Perindustrian Selayang, Tmn. Selayang Baru, 68100 Selayang, Selangor, Malaysia	Tel: 603-61380977 /8667/7211 Fax: 603-61388772	Mild Steel Flanges, Pipe Jointing System (Adaptor, Pipe Coupling, Expansion Joints, Dismantling Joints)
132	Prestar Resources Sdn. Bhd.	Office: Lot 1298 Rawang Industrial Estate, 16 ½ Mile, Jln. Ipoh, 48000 Rawang, Selangor. Factory: Lot 39, 16 ½ Miles Jln. Ipoh, Rawang Industrial Estate, Rawang, Selangor Darul Ehsan.	Tel: 03-60925200 Fax: 03-60925 203/ 5204	Steel Pipes, Cold Rolled Steel Coils, Sheet Hot Rolled Steel Coils, Flat Bars, Tool Steel, Mild Steel, Casting of Iron & Steel, Sheet Hot Rolled Steel Coils, Sheets, Flat Bars
133	QS System Sdn. Bhd.	Office / Factory: No. 3, Jln. Jasmine 5, Section BB10, Bandar Bkt. Beruntung, 48300 Rawang, Selangor Darul Ehsan	Tel: 03-60282888 Fax: 03-60282113	Equipment including Steelworks and Conveyor System for Material Handling, Mining and Quarrying Industries

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
134	Ricwil (Malaysia) Sdn. Bhd.	Office / Factory: No. 122, Jln. 2D, Kg. Baru Subang, Seksyen U6, 40150 Shah Alam, Selangor Darul Ehsan	Tel: 03-78475541 / 5709 / 5679 / 5796 Fax: 03-78475103 / 4622	Preinsulated Piping System
135	Rondo Metal Products Sdn. Bhd.	Office / Factory: Lot 606, Off Jln. SS13/1K, 47500 Subang Jaya, Selangor	Tel: 03-56360710 Fax: 03-56360711	Roll Formed Light Gauge Steel Profile
136	Rooftech Resouces Sdn. Bhd.	Office: A-3-02, Street Mall, One South, Jln. OS, Tmn. Serdang Perdana, Seksyen 6, 43300 Seri Kembangan, Selangor Darul Ehsan. Factory: No. 6, Jln. Semtech 3, Semtech Park, 43500 Semenyih, Selangor Darul Ehsan.	Tel: 03-89596388 Fax: 03-89591033	Roof Truss (Metal, Steel)
137	S. Kian Seng Sdn. Bhd.	Office / Factory: Lot 801, Jln. Subang 5, Tmn. Perindustrian Subang, Subang Jaya, 47610 Subang, Selangor Darul Ehsan	Tel: 03-56361118 Fax: 03-56361113 / 56338686	Structural Metal Products, Metal Furniture, Metal Fixtures
138	Saiyakaya (Malaysia) Sdn. Bhd.	Office / Factory: Lot 168, Jln. Industri 3/6 Rawang Integrated Industrial Park, 48000 Rawang, Selangor Darul Ehsan	Tel: 03-60921622 Fax: 03-60921660	Aluminium Stainless Steel
139	SKB Shutters Manufacturing Sdn. Bhd.	Office / Factory: Lot 22, Jln. Teknologi, Tmn. Sains Selangor 1, Kota Damansara, 47810 Petaling Jaya, Selangor, Malaysia	Tel: 603-6157 2277 Fax: 603-6157 2211	Storage Racking System, Steel Building Products, Roller Shutter
140	Stanta Mauser (Malaysia) Sdn. Bhd.	Office / Factory: No. 3 & 5, Lorong Keluli 1C, Tmn. Perindustrian Bkt. Raja, 40000 Shah Alam, Selangor	Tel: 03-33410215 Fax: 03-33445017	Steel Drum
141	Star Shine Industries Sdn. Bhd.	Office / Factory: Wisma YKGI, Lot 6472, Lorong Sg. Puloh/KU06, Kaw. Perindustrian Sg. Puloh, 42100 Klang, Selangor, Malaysia	603-3297 5555 / 3291 5189 603-3291 6193	Steel Pipes (Pre-Galvanized, HR, Cold Rolled), Hollow Sections, Pipes.

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
142	Strandford Industry Sdn. Bhd.	Office / Factory: No. 14, Jln. Serindit 2, Puchong Jaya, 47170 Puchong, Selangor Darul Ehsan	Tel: 03-58911023 Fax: 03-58911033	Customized Machinery Products
143	Sunchirin Industries (Malaysia) Sdn. Bhd.	Office / Factory: Lot 7, Jln. Api-Api 26/1, Hicom Industrial Estate, Section 26, 40000 Shah Alam, Selangor	Tel: 03-51911558 Fax: 03-51911811	Pipe, Spring Seat, Press Work, Metal Parts for Automotive
144	Sunway Hydraulic Industries Sdn. Bhd.	Office / Factory: Lot PT 1490, No. 1, Jln. PJS 11/1, Bandar Sunway, 46150 Petaling Jaya, Selangor Darul Ehsan	Tel: 03-56354323 Fax: 03-56311691	Hydraulic Couplings
145	T. Yamaichi (Malaysia) Corporation Sdn. Bhd.	Office / Factory: Lot 5, Jln. Api-Api 26/1, Hicom Industrial Estate, Section 26, 40000 Shah Alam, Selangor Darul Ehsan.	Tel: 03-51911660 Fax: 03-51911640	Steel Accumulator, Automotive Parts, Steel Presition Pressed Part
146	Tenaga Cable Industries Sdn. Bhd.	Office / Factory: Lot 2, Jln. P/12, Section 10, Kaw. Perusahaan Bangi, 43650 Bandar Baru Bangi, Selangor Darul Ehsan	Tel: 03-89222678 Fax: 03-89255911	Aluminium Conductor Steel Reinforced (ACSR)
147	Top-Mech Provincial Sdn. Bhd.	Office / Factory: No. 13, Jln. Wawasan 3/KU7, Sg. Kapar Indah, 42209 Klang, Selangor	Tel: 03-32912689 Fax: 03-32916289	Crane (Electric Overhead, Stacker, Steel Mill, Gantry Crane, Hoist.
148	TT Engineering & Manufacturing Sdn. Bhd.	Office / Factory: No. 1, Jln. 6/1 Lot 3472, Kaw. Seri Kembangan, 43300 Selangor Darul Ehsan	Tel: 03-89421977 Fax: 03-89421970	Structural Metal Products, Treatments and Coating of Metal, Metal Forging , Stamping , Pressing, Fabricated Metal Products
149	Uchida MK Sdn. Bhd.	Office / Factory: Lot 719, Persiaran K. Selangor, Section 26, Kaw. Perindustrian HICOM, 40400 Shah Alam, Selangor Darul Ehsan	Tel: 03-51912322 Fax: 03-51912323	Steel office Furniture and Cleanroom Chairs

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
150	UMW Advantech Sdn. Bhd.	Office / Factory: Jln. Utas (15/7), Batu Tiga Industrial Estate, 40200 Shah Alam, Selangor. Postal: P O Box 7052, 40915 Shah Alam, Selangor Darul Ehsan.	Tel: 03-51635000 Fax: 03-55184015	Fabrication of Steel Structures
151	Webforge (KL) Sdn. Bhd.	Office / Factory: Lot 3, Jln. Gudang 16/9, Section 16, 40700 Shah Alam, Selangor Darul Ehsan. Postal: P O Box 7601, 40720 Shah Alam, Selangor Darul Ehsan.	Tel: 03-55190652 Fax: 03-55190749 / 8780	Mild Steel Gratings
152	Wellton (M) & Co Sdn. Berhad	Office / Factory: 16/9, Jln. Gudang, 40000 Shah Alam, Selangor Darul Ehsan	Tel: 03-55104309 / 4329 Fax: 03-55104307	Metal Storage Box
153	Woodlandor Wood Products Sdn. Bhd.	Office: Lot 1339, Bt. 22 ½, Sg. Lalang, 43500 Semenyih, Selangor Darul Ehsan. Factory: Lot 265 & 1339, Bt. 22 ½, Sg. Lalang, 43500 Semenyih, Selangor Darul Ehsan.	Tel: 03-87231122 / 7768 Fax: 03-87232211	Trading Building Materials and Metal Frames
154	YKGI Holdings Berhad	Office: Wisma YKGI, Lot 6479, Lorong Sg. Puloh/ KU06 Kaw. Perindustrian Sg. Puloh, 42100 Klang, Selangor Darul Ehsan. Factory: Lot 6472, Lorong Sg. Puloh/KU06, Kaw. Perindustrian Sg. Puloh, Klang, Selangor Darul Ehsan.	Tel: 03-32903344/ 75555/ 15189 Fax: 03-32906668	Galvanized Iron Corrugated Sheet, Cold Rolled Steel Coils, Hot Dip Galvanized Steel Coils, Metal Roofing
STATE: WILAYAH PERSEKUTUAN KUALA LUMPUR (4 MANUFACTURERS)				
155	Kejuruteraan Wang Yuen Sdn. Bhd.	Office / Factory: 11, Jln. Tiga, Off Jln. Chan Sow Lin, 55200 K.L	Tel: 03-92211021 Fax: 03-92211039	Sterillizer Door, Pressure Vessel, Nut Cracker.
156	North Malaya Engineers Trading Co. Sdn. Bhd.	Office / Factory: 5268, Jln. Permatang Pauh, 13400 Butterworth, P. Pinang	Tel: 04-3327228 Tel: 04-3319477	Low & High Carbon Steel Wire, Steel Wire, Wire Nail

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
157	SGK Technology Sdn. Bhd.	Office / Factory: No 6, Jln. 3/118C Kaw. Perindustrian Desa Tun Razak, 56000 K.L	Tel: 03-91717872 Fax: 03-91712441	Recycling Metal Waste
158	Teem Well Industries Sdn. Bhd.	Office / Factory: No 6&8, Jln. Helang Hindik, Kepong Baru Industry Estate, 52100 K.L.	Tel: 03-62801155 Fax: 03-62801166	Band Saw Blades



## Appendix 18: Aluminium-Based Products Manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
STATE: JOHOR (11 MANUFACTURERS)				
1	Leader Universal Aluminium Sdn. Bhd.	Office / Factory: No. 2, Jln. Tahana, Kaw. Perindustrian Tampoi, 81200 Johor Bahru, Johor	Tel: 07-2381888 Fax: 07-2386333	Aluminium Rods
2	LHL Corporation Sdn. Bhd.	Office / Factory: No. 138, Jln. Ulu Choh - Gelang Patah, Mkm. Jeram Batu, 81500 Pekan Nenas, Johor	Tel: 07-5553399 Fax: 07-5553333	Aluminium Structural (Windows, Door, Cladding and Curtain Wall)
3	Seagate International (Johor) Sdn. Bhd.	Office / Factory: PLO 55, Jln. Persiaran Teknologi Tmn. Teknologi Johor 81400 Senai, Johor Darul Takzim	07-5556888 Fax: 07-5556666	Aluminium Substrates
4	Shotic Malaysia Sdn. Bhd.	Office / Factory: PLO 168, Jln. Persiaran Tanjung Langsat, Kompleks Perindustrian Tanjung Langsat, 81700 Pasir Gudang, Johor	Tel: 07-2571800 Fax: 07-25718011	Aluminium Continuous Casting, Rod and Cut Piece
5	SNC Industrial Laminates Sdn. Bhd.	Office / Factory: PLO 38, Jln. Keluli Satu, Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor	Tel: 07-2512199 Fax: 07-2512084	Aluminium Copper Clad, Laminates
6	STX Precision (JB) Sdn. Bhd.	Office / Factory: Lot 153, Jln. Angkasa Mas 6, Kaw. Perindustrian Tebrau II, 81100 Johor Bahru, Johor	Tel: 07-3533940 Fax: 07-3530878	Aluminium Precision Component
7	UACJ Foil Malaysia Sdn. Bhd.	Office / Factory: Lot 4, Jln. Besar, Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor Darul Takzim	Tel: 07-2541913 Fax: 07-2513917	Aluminium (Foil, Cast Coil, Circle, Rolled Coil, Finstock, Sheet)

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
8	Universal Cable (M) Berhad	Office / Factory: No. 33, Jln. Tiran, Kangkar Tebrau 81100 Johor Bahru, Johor Darul Takzim. Postal: P O Box 119, 80710 Johor Bahru, Johor Darul Takzim	Tel: 07-3553333 Fax: 07-3555298	All Aluminium Conductors (AAC), All Aluminium Alloy Conductors (AAAC), Aluminium Steel-Reinforced (ACSR)
9	Vitally Sdn. Bhd.	Office / Factory: Lot 3119, Bt. 3, Jln. Salleh, Bkt. Treh, 84000 Muar, Johor	Tel: 06-9524206 Fax: 06-9556896	Aluminium (Shower Enclosure, Cabinet Drawer, Sliding Door, Folding Door)
10	Wan Sern Metal Industries Sdn. Bhd.	Office / Factory: No 12, Jln. Mega 1/1 Tmn. Perindustrian Nusa Cemerlang 79200 Nusajaya, Johor Darul Takzim	Tel: 07-5096661 Fax: 5096423	Doors, Windows and Others Fabrication of Aluminium
11	Ye Chiu Metal Smelting Berhad	Office: PLO 37, Jln. Keluli, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor Darul Takzim. Factory: PLO 472, Jln. Keluli, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor	Tel: 07-2518763 Fax: 07-2512633	Aluminium Alloy Ingot
STATE: PULAU PINANG (5 MANUFACTURERS)				
12	Eko Metal Industries Sdn. Bhd.	Office / Factory: Lot 667 & 668, Juru 14000 Bkt. Mertajam, P. Pinang	Tel: 04-5013355 Fax: 04-5024986	Aluminium Precision Die-Casting Products
13	Kobe Precision Technology Sdn. Bhd.	Office / Factory: Plot 39, Phase IV Bayan Lepas Industrial Estate, 11900 P. Pinang	Tel: 04-3700777 Fax: 04-3701736	Aluminium Disk Blank
14	PGF Insulation Sdn. Bhd.	Office / Factory: 2449, Lorong Perusahaan 10, Kaw. Perusahaan Prai, 13600 Prai, P. Pinang	Tel: 04-39088460 Fax: 04-3996197	Aluminium Foil

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
15	Sun Sung Lee Engineering Sdn. Bhd.	Office / Factory: No. 1521, Ladang Valdor, Sg. Bakap, 14200 Sg. Jawi, Seberang Perai Selatan, P. Pinang	Tel: 04-58228282 Fax: 04-5828383	Aluminium Structural Products, Aluminium Tanks
16	Tong Heer Aluminium Industries Sdn. Bhd.	Office / Factory: Plot 17A, Jln. Perusahaan, Prai Industrial Estate, Phase 4, 13600 Prai, P. Pinang	Tel: 04-5079079 Fax: 04-5078923	Aluminium Extrusion
<b>STATE: MELAKA (5 MANUFACTURERS)</b>				
17	Central Cables Berhad	Office / Factory: 7862, Batu Berendam, 75350 Melaka. Postal: P O Box 313, 75760 Melaka	Tel: 06-2325821 Fax: 06-2325823	All Aluminium Conductors (ACSR, Bare Alluminium)
18	Daibochi Plastic and Packaging Industry Bhd.	Office / Factory: Lot 3 & 7, Air Keroh Industrial Estate, Phase IV, 75450 Melaka	Tel: 06-2312746 Fax: 06-2329729	Aluminium Foil
19	San Maguel Yamamura Woven Proudct Sdn. Bhd.	Office / Factory: Lot 9 & 10, Jln. Usaha 4, Ayer Keroh Industrial Estate, 75450 Melaka	Tel: 06-2323898 Fax: 06-2321437	Aluminium Lamination
20	Sumimetal Industries (Malaysia) Sdn. Bhd.	Office: Lot 33, Jln. Industri 2/1, Rawang Integrated Industrial Park, 48000 Rawang, Selangor Darul Ehsan. Factory: Lot 568 & 569, Bkt. Rambai Industrial, Estate, 75250 Melaka	Tel: 06-3513890 Fax: 06-3513894	Aluminium Alloy Ingot
<b>STATE: NEGERI SEMBILAN (2 MANUFACTURERS)</b>				
21	AHI Roofing (Malaysia) Sdn. Bhd.	Office / Factory: Lot 12, Nilai Industrial Estate, 71800 Nilai, Negeri Sembilan Darul Khusus	Tel: 06-7991877 Fax: 7991827	Aluminium Roofing Tiles
22	EverPress Aluminium Industries Sdn. Bhd.	Office / Factory: Lot 1282 & 1283, Kaw. Perindustrian Tmn. Melur Batang Benar, 71700 Mantin, Negeri Sembilan	Tel: 06-7990309 Fax: 06-7996837	Aluminium Extrusions
<b>STATE: PERAK (7 MANUFACTURERS)</b>				
23	Central Aluminium Manufactory Sdn. Bhd.	Office / Factory: Bt. 12, Jln. Hutan Melintang, 36400 Hutan Melintang, Perak	Tel: 05-6411046/1642 Fax: 05-6411115/5375	Aluminum Kitchen Sink, Household

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
24	Durabeau Corporation Sdn. Bhd.	Office: 52B, Jln. Leong Boon Swee, 30000 Ipoh, Perak Darul Ridzuan. Factory: Lot PT 3034, Batu Satu, Jln. Pusing, 31000 Batu Gajah, Perak	Tel: 05-2411006/7 Fax: 05-2411011	Aluminium Door, Grills, Windows Frame
25	Eastern Precision Sdn. Bhd.	Office / Factory: No. 2, Jln. Industri 3, Zon Perdagangan Bebas Jelapang 2 30020 Ipoh Perak Darul Ridzuan	Tel: 05-5278233 Fax: 05-5284233	Audio Aluminium Panels, Audio Aluminium Knobs
26	General Aluminium Works (M) Sdn. Bhd.	Office / Factory: 76 km, Ipoh/Penang Main Trunk Road, 34700 Taiping, Perak. Postal: P O Box 165, 34008 Taiping, Perak Darul Ridzuan.	Tel: 05-8912377 Fax: 05-8911161	Aluminium Foils
27	Nonferrous Metalcast Sdn. Berhad	Office / Factory: Lot PT 3963, Batu Karang 31900 Kampar, Perak Darul Ridzuan	Tel: 05-4669446 / 9437 / 4552 Fax: 05-4664030	Aluminium Alloy Die-Casting
28	SMA Industries Sdn. Bhd.	Office / Factory: Plot 3, Estate Perindustrian Pangkalan II, Jln. Johan 2/2, Pasa II, 31500 Lahat, Perak	Tel: 05-3668706 Fax: 05-3665707	Aluminium Alloy ingot
29	TS Plastics Sdn. Bhd.	Office / Factory: PT 30131, Off Jln. Johan 2/1A Estet Perindustrian Pengkalan II 31550 Pusing, Perak Darul Ridzuan	Tel: 05-3652899 / 66899 / 54899 Fax: 05-3661899	Aluminium Laminate, Aluminium Foil Printing & Coating
STATE: SARAWAK (2 MANUFACTURERS)				
30	Press Metal Bintulu Sdn. Bhd.	Office / Factory: Lot 36, Block 1, Samalaju Industrial Park, Kemena Land Distric, 97000 Bintulu, Sarawak	Tel: 086-297030	Aluminium ingot, foil
31	Universal Cable (Sarawak) Sdn. Bhd.	Office / Factory: Lot 767, Block 8, Muara Tebas Land District Demak Laut Industrial Estate, Phase III Jln. Bako, 93050 Kuching, Sarawak. Postal: P O Box 2869, 93756 Kuching, Sarawak.	Tel: 082-433111 / 2755 Fax: 082-433311 / 3222	Aluminium Power Cables, All Aluminium Alloy Conductors (AAAC)
STATE: SELANGOR (26 MANUFACTURERS)				

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
32	Advance Industries Sdn. Bhd.	Office: No. 1, Jln. Wangsa Permai, 2nd Floor, Bangunan One Wangsa, Tmn. Wangsa Permai, 52200 K.L. Factory: Lot 1676, Jln. Makmur, Bt. 28, Ijok Bestari Jaya, Selangor Darul Ehsan.	Te: 03-62772480 Fax: 03-62762482	Aluminium Structural
33	Aluminium Company of Malaysia Berhad	Office / Factory: No. 3, Persiaran Waja, Bkt. Raja Industrial Estate, 41050 Klang, Selangor. Postal: P O Box 233, 41720 Klang, Selangor Darul Ehsan	Tel: 03-33412311 Fax: 03-33412793	Sheet & Foil Products
34	Andavar Metal Manufacturing Sdn. Bhd.	Office / Factory: No. 7A, Jln. Kesuma 2/4 Bandar Tasik Kesuma 43700 Beranang, Selangor Darul Ehsan	Tel: 03-79842802 Fax: 03-79845503	Aluminium Ingot
35	Asli Mechanical Sdn. Bhd.	Office: No. 2 Jln. Kenari 10, Bt. 8, Bandar Puchong Jaya, 47100 Puchong, Selangor Darul Ehsan. Factory: Lot 20, Masalam Industrial Estate, 68000 Rawang, Selangor	Tel: 03-80754933 Fax: 03-80754911	Aluminium Air Duct
36	Auto Cast Sdn. Bhd.	Office / Factory: Lot 1-56, PT 3420, Jln. Perindustrian Mahkota II, Tmn. Perindustrian Mahkota, Mkm. Beranang, Daerah Hulu Langat, 43700 Beranang, Selangor	Tel: 03-87245106/7 Fax: 03-87245103/91300531	Aluminium
37	Breezway (M) Sdn. Bhd.	Office / Factory: No. 39, Jln. Wawasan 3/KU7, Sg. Kapar Indah, 42200 Kapar, Klang	Tel: 03-32914885 Fax: 03-32919887	Aluminium Structural
38	Classic Emas (Sarawak) Sdn. Bhd.	Office: Lot 1546, Block 8, MLTD, Demak Laut Industrial Park, Phase 3, Jln. Bako, 93050 Kuching, Sarawak. Factory: Lot 3227, Jln. Perindustrian Mahkota Utama, Tmn. Perindustrian Mahkota, 43700 Beranang, Selangor	Tel: 082-433166 Fax: 082-439191	Aluminium Extrusions
39	Col Shutters Sdn. Bhd.	Office / Factory: Lot 14, Jln. Perusahaan Dua, Batu Caves Industrial Area, 68100 Batu Caves, Selangor	Tel: 03-61877178 Fax: 03-61875232	Aluminium Grille Roller Shutter



No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
40	Daiki Aluminium Industry (Malaysia) Sdn. Bhd.	Office / Factory: Lot 3, Jln. Waja, Kaw. Perindustrian Bkt. Raja, 41050 Klang, Selangor	Tel: 03-33419500 Fax: 03-33418280	Aluminium Ingot
41	Diayo Die-Casting (M) Sdn. Bhd.	Office / Factory: Lot No 6033, Jln. Vasawari Bt. 9, Off Jln. Kebun Baru 42500 Telok Panglima Garang Selangor Darul Ehsan	Tel: 03-31220488 / 1786 Fax: 03-31221246	Aluminium Alloy Die-Casting Components
42	FEC Cables (M) Sdn. Bhd.	Office: No. 1, Persiaran Raja Muda, 40000 Shah Alam, Selangor. Factory: No. 16, Jln. Keluli 2, Bkt. Raja Industrial Area, Klang, Selangor Darul Ehsan. Postal: P O Box 7006, 40700 Shah Alam, Selangor Darul Ehsan.	Tel: 03-55191110 Fax: 03-55138688	All Aluminium Conductor
43	Federal Power Sdn. Bhd.	Office / Factory: Lot 8, Jln. Ragum 15/17, 40000 Shah Alam, Selangor	Tel: 03-55183600 Fax: 03-55188020	Aluminium (Binding Wire, Rods, Alloy Conductor, ACSR)
44	Formosa Shyen Horng Metal Sdn. Bhd.	Office / Factory: Lot 2-33, Jln. Perindustrian Mahkota 7, Tmn. Perindustrian Mahkota, 43700 Beranang, Selangor	Tel: 03-87244662 Fax: 03-87244661	Aluminium Billets
45	Hercules Sdn. Bhd.	Office / Factory: Lot 1, Jln. Gudang, 16/9 40200 Shah Alam, Selangor Darul Ehsan	Tel: 03-55192839 Fax: 03-55102388 / 03-55192295	Aluminium Caps
46	Hunter Douglas (Malaysia) Sendirian Berhad	Office / Factory: Lot 493, persiaran K. Selangor, Section 26, 40400 Shah Alam, Selangor Darul Ehsan	Tel: 03-51912020 Fax: 03-50912885	Aluminium Alloy Coilstock (Painted), Galvanised Steel Panel Stock
47	Jaring Metal Industries Sdn. Bhd.	Office / Factory: No.7, Jln. Sg. Kayu Ara 32/37, Tmn. Berjaya, Seksyen 32, 40460 Shah Alam, Selangor	Tel: 03-57408823 Fax: 03-57408912	Aluminium
48	Kian Joo Can Factory Berhad	Office / Factory: Lot 6, Jln. Perusahaan Satu, 68100 Batu Caves, Selangor	Tel: 03-61893699 Fax: 03-61895605	Aluminium Can

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
49	LB Aluminium Berhad	Office / Factory: Lot 11, Jln. Perusahaan 1, Kaw. Perusahaan Beranang, 43700 Beranang, Selangor	Tel: 03-87238822 Fax: 03-87233191	Aluminium Extrusion
50	Metco SMI Industries (Malaysia) Sdn. Bhd.	Office / Factory: Lot 2 & 3, Jln. RP, Tmn. Perindustrian Masalam, Bt. 17, Jln. Ipoh, 48000 Rawang, Selangor	Tel: 03-60926020 Fax: 03-60926002	Aluminium Flakes
51	Nichicon (Malaysia) Sdn. Bhd.	Office / Factory: No. 4, Jln. P/10, Kaw. Perindustrian Bangi, 43650 Bandar Baru Bangi, Selangor	Tel: 03-89250678 Fax: 03-89250858	Aluminum electrolytic capacitors
52	NS Bluescope Malaysia Sdn. Bhd.	Office / Factory: Lot 1551, Jln. Bkt. Kapar, 42200 Kapar, Klang, Selangor Darul Ehsan	Tel: 03-33616888 Fax: 03-33616889	Pre-Painted-Zinc Aluminium Coated on Non Alloy Steel Coil, Zinc-Aluminium Coated on Non Alloy Steel Oil
53	P.A. Extrusion (M) Sdn. Bhd.	Office / Factory: Lot 424 & 440, Jln. K. Selangor, Kg. Bt. 8, Ijok, 45620 K. Selangor, Selangor	Tel: 03-32793328 Fax: 03-32793313	Aluminium Extrusion, Billet Casting
54	Paper Base Converting Sdn. Bhd.	Office / Factory: Lot 3927, Jln. Keretapi Lama, KU4, 42100 Klang, Selangor	Tel: 03-32913068 Fax: 03-32905124	Aluminium Foil
55	Power Cables Malaysia Sdn. Bhd.	Office / Factory: Lot 2, Jln. Kwat 15/18, P.O. Box 7065 40702 Shah Alam, Selangor	Tel: 03-55185000 Fax: 03-55198558	Aluminium Rods
56	Press Metal Berhad	Office / Factory: Lot 6464, Bt. 5 ¾, Jln. Kapar, Sementa, 42100 Klang, Selangor	Tel: 03-32913188 Fax: 03-32919133	Aluminium Extrusion
57	Saiyakaya (Malaysia) Sdn. Bhd.	Office / Factory: Lot 168, Jln. Industri 3/6 Rawang Integrated Industrial Park 48000 Rawang, Selangor Darul Ehsan	Tel: 03-60921622 Fax: 60921660	Aluminium Stainless Steel
58	SKB Shutters Manufacturing Sdn. Bhd.	Office / Factory: Lot 22, Jln. Teknologi, Tmn. Sains Selangor 1, Kota Damansara, 47810 Petaling Jaya, Selangor	Tel: 03-61572277 Fax: 03-61572211	Aluminium Extrusion

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT NAME
59	Teknicast Sdn. Bhd.	Office / Factory: Lot 2139, Jln. Enggang, Bt. 9, Kebun Baru, 42500 Telok Panglima Garang, K. Langat, Selangor	Tel: 03-31228988 /31221009 Fax: 03-31220620	Aluminium Alloy Die-Casting
60	Tenaga Cable Industries Sdn. Bhd.	Office / Factory: Lot 2, Jln. P/12, Section 10, Kaw. Perusahaan Bangi, 43650 Bandar Baru Bangi, Selangor. Postal : P O Box 81, 43650 Bandar Baru Bangi, Selangor Darul Ehsan.	Tel: 03-89222678 Fax: 03-89255911	Aluminium Rods, Aluminium Alloy Rods, Conductors
61	TT Engineering & Manufacturing Sdn. Bhd.	Office / Factory: No. 1, Jln. 6/1 Lot 3472, Kaw. Seri Kembangan 43300 Selangor Darul Ehsan	Tel: 03-89421977 Fax: 03-89421970	Fabricated Aluminium Products, Structural Aluminium Products, Treatment and Coating Aluminium
62	ZincAlu Casting Sdn. Bhd.	Office / Factory: No. 4 & 6, Jln. Taming Empat, Taming Jaya Industrial Estate, Off Jln. Balakong, 43300 Selangor	Tel: 03-89616533 Fax: 03-89616505	Aluminium Die-Castings
63	See Sen Chemical Berhad	Office / Factory: PT 3940, Kaw. Perindustrian Telok Kalong 24000 Kemaman, Terengganu Darul Iman	Tel: 09-8632142 Fax: 09-8632143	Aluminium Sulphate

## Appendix 19: Tin-based products manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT No.	PRODUCT NAME
<b>STATE: JOHOR (2 MANUFACTURERS)</b>				
1.	Perusahaan Sadur Timah Malaysia (Perstima) Berhad	Office / Factory: PLO 255, Jln. Timah Tiga, Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor. Postal P O Box 26, 81707 Pasir Gudang, Johor Darul Takzim.	Tel: 07-2541200 Fax: 07-2514618	Tin Plate
2.	KJ Can (Johore) Sdn. Bhd.	Office / Factory: 733, Jln. Tampoi, 81200 Johor Bahru, Johor	Tel: 07-3322522	Tin Can
<b>STATE: PULAU PINANG (2 MANUFACTURERS)</b>				
3.	Malayan Metal Works Sdn. Bhd.	Office / Factory: 2444, Lorong Perusahaan Satu, Prai Industrial Estate, 13600 P. Pinang	Tel: 04-3907476 Fax: 04-3996705	Tin Can
4.	Malaysian Smelting Corporation Berhad	Office / Factory: 27, Jln. Pantai, 1200 Butterworth, P. Pinang	Tel: 04-3333500 Fax: 04-3336499	Tin Ingots
<b>STATE: PERAK (2 MANUFACTURERS)</b>				
5.	Friend Metal Ware Factory Sdn. Bhd.	Office / Factory: 10, Medan Tasek, Tasek Industrial Estate, 31400 Ipoh, Perak	Tel: 05-5472537 Fax: 05-5461163	Tin Plate
6.	Nihon Superior (M) Sdn. Bhd.	Office / Factory: Lot 17, Jln. Industri 1 Free Trade Zone, Jelapang 2, 30020 Ipoh, Perak	Tel: 05-5273792 Fax: 05-5273659	Solder
<b>STATE: SELANGOR (11 MANUFACTURERS)</b>				
7.	Ajcan Sdn. Bhd.	Office / Factory: Lot 2244, Jln. Rajawali, Bt. 9, Kg. Kebun Baru, 42500 Telok Panglima Garang, K. Langat, Selangor	Tel: 03-31221988 Fax: 03-31228188	Tin Can & Tin Plate Products
8.	Canpac Sdn. Bhd.	Office / Factory: Lot 119, Tmn. Perindustrian Integrasi, Jln. Batu Arang, 48000 Rawang, Selangor	Tel: 03-60929929 Fax: 03-60929909	Tin Can
9.	Federal Metal Printing Factory Sdn. Bhd.	Office / Factory: Jln. Kaw. at 15/18, 40000 Shah Alam, Selangor	Tel: 03-55192521 Fax: 03-55194832	Tin Can

No.	COMPANY NAME	ADDRESS	CONTACT No.	PRODUCT NAME
10.	General Packaging Sdn. Bhd.	Office: Lot 3, Jln. 203, 46050 Petaling Jaya, Selangor. Factory: LS-3, Jln. Korporat, Tmn. Perindustrian Meru, Kapar, Klang, Selangor Darul Ehsan.	Tel: 03-77816131 Fax: 03-77841962	Tin Can
11.	Kian Joo Can Factory Berhad	Office / Factory: Lot 10, Jln. Perusahaan Satu, 68100 Batu Caves, Selangor	Tel: 03-61896322 Fax: 03-61898185	Tin Plate
12.	Kian Joo Canpack (Shah Alam) Sdn. Bhd.	Office / Factory: Lot 3, Jln. Kaw. at 15/18, 40000 Shah Alam, Selangor	Tel: 03-55116573 Fax: 03-55124782	Tin Can
13.	Kilang Tin Can (Sel) Sdn. Bhd.	Office / Factory: Lot 764, Jln. Hj Sirat Off Jln. Kapar, 42100 Klang, Selangor	Tel: 03-32912525 Fax: 03-32912630	Tin Can
14.	KJ Can (Selangor) Sdn. Bhd.	Office / Factory: Lot 19, Jln. SU4, Seksyen 22, 46300 Shah Alam, Selangor	Tel: 03-51928660 Fax: 03-51928700	Tin Can
15.	Selayang Solder Sdn. Bhd.	Office / Factory: 17497, Tmn. Selayang Baru Industrial Estate 8½ mile, Jln. Ipoh, 69900 Batu Caves, Selangor	Tel: 03-61385301 Fax: 03-61385282	Pewter
16.	Senju (Malaysia) Sdn. Bhd.	Office / Factory: Lot 36, Persiaran Sabak Bernam Sector B, HICOM Industries Area, Section 26, 40000 Shah Alam, Selangor	Tel: 03-51912227 Fax: 03-51912428	Solder
STATE: WILAYAH PERSEKUTUAN KUALA LUMPUR (2 MANUFACTURERS)				
17.	Royal Selangor International Sdn. Bhd.	Office / Factory: No. 4, Jln. Usahawan Enam Setapak Jaya, 53200 K.L. Postal: P O Box 10015, 50700 K.L.	Tel: 03-41456000 Fax: 03-40223000	Solder
18.	Zatfee (M) Sdn. Bhd.	Office / Factory: Lot 16 Jln. Kuang Bulan, Tmn. Kepong, 51200 K.L.	Tel: 03-62741225 Fax: 03-62767145	Pewter



## Appendix 20: Copper-based products manufacturers, 2017

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT
STATE: JOHOR (11 MANUFACTURER)				
1	Alpha Industries Sdn. Bhd.	Office / Factory: No. 37, Jln. Kangkar Tebrau, 81100 Johor Bahru, Johor	Tel: 07-3543996 Fax: 07-542537	Copper Rods and Wires
2	Hitachi Cable (Johor) Sdn. Bhd.	Office / Factory: PLO 40, Kaw. Perindustrian Senai, 81400 Senai, Johor Darul Takzim	Tel: 07-5994350 Fax: 07-5981300	Copper Wire, Bare Copper, Enamelled copper
3	Hitachi Cable (Johor) Sdn. Bhd.	Office / Factory: PLO 40, Kaw. Perindustrian Senai, 81400 Senai, Johor Darul Takzim	Tel: 07-5994350 Fax: 07-5981300	Enamelled Wire
4	J.K. Wire Harness Sdn. Bhd.	Office / Factory: No. 7, Jln. Firma 2/2, Kaw. Perindustrian Tebrau 1, 81100 Johor Bahru, Johor	Tel: 07-3548886 Fax: 07-3525387	Wire Harness, Insulated Wire & Cables
5	Luvata (M) Sdn. Bhd.	Office / Factory: PLO573, Jln. Keluli 10, Kaw. Perindustrian Pasir Gudang, 81700 Pasir Gudang, Johor	Tel: 07-2526688 Fax: 07-2521336	Copper (Anodes, Copper Strip, Profile, Section)
6	Materials Service Complex Malaysia Sdn. Bhd.	Office / Factory: Plot D23, Jln. DPB/7 Kaw. Zon Perindustrian Bebas, Pelabuhan Tanjung Pelepas, 81560 Gelang Patah, Johor Darul Takzim	Tel: 07-5577660 Fax: 07-5578860	Copper and Copper Alloys
7	Saitama Industries Sdn. Bhd.	Office / Factory: Lot 39747, Jln. Tembaga 1, Desa Perindustrian Kulai, 81000 Kulai, Johor	Tel: 07-6522130 Fax: 07-6521149	Copper Alloy
8	Seiko Denki (M) Sdn. Bhd.	Office / Factory: PLO 95, Jln. Cyber 6, Tmn. Perindustrian Senai 3, 81400 Senai, Johor Darul Takzim	Tel: 07-3548282 Fax: 07-3548281	Wire Harness
9	SMC Technology Sdn. Bhd.	Office / Factory: Lot 31-32, Kaw. Perindustrian Pontian, 82000 Pontian, Johor	Tel: 07-6862088 Fax: 07-6862066	Copper Flakes
10	SNC Industrial Laminates Sdn. Bhd.	Office / Factory: PLO 38, Jln. Keluli 1, Pasir Gudang Industrial Estate, 81700 Pasir Gudang, Johor	Tel: 07-2512199 Fax: 07-2512084	Copper Clad Lamination

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT
11	Tai Sin Electric Cables (Malaysia) Sdn. Bhd.	Office / Factory: Lot PTD 37433 & 37434 Off Jln. Perindustrian Senai III, Kaw. Perindustrian Senai Fasa 2, 81400 Senai, Johor Darul Takzim. Postal: P O Box 73, 81400 Senai, Johor Darul Takzim.	Tel: 07-5998888 Fax: 07-5998898	Power Cable, Instrumentation Cable, Fire Resistant Cable, Marine Cable
STATE: PULAU PINANG (3 MANUFACTURERS)				
12	Fujikura Federal Cables Sdn. Bhd.	Office / Factory: 5097, Mak Mandin Industrial Estate, 13400 Butterworth, P. Pinang. Postal: P O Box 70, 12700 Butterworth, P. Pinang.	Tel: 04-3315577 Fax: 04-3318641	Copper Conductor
13	Fujikura Federal Cables Sdn. Bhd.	Office / Factory: 5097, Mak Mandin Industrial Estate, 13400 Butterworth, P. Pinang. Postal: P O Box 70, 12700 Butterworth, P. Pinang.	Tel: 04-3315577 Fax: 04-3318641	Auto Wire, Elevator Cable
14	PGF Insulation Sdn. Bhd.	Office / Factory: 2449, Lorong Perusahaan 10, Kaw. Perusahaan Prai, 13600 Prai, P. Pinang	Tel: 04-39088460 Fax: 04-3996197	Plain and Faced FSK Copper
STATE: MELAKA (4 MANUFACTURERS)				
15	Central Cables Berhad	Office / Factory: 7862, Batu Berendam, 75350 Melaka. Postal: P O Box 313, 75760 Melaka	Tel: 06-2325821 Fax: 06-2325823	Copper Wire and Cables
16	Draka (Malaysia) Sdn. Bhd.	Office / Factory: Lot 48, Jln. Industri 13, Alor Gajah Industrial Estate, 78000 Alor Gajah, Melaka	Tel: 06-5563833 Fax: 06-5563282	Insulated Wire and Cables
17	Sindutch Cable Manufacturer Sdn. Bhd.	Office / Factory: Lot 38, Jln. Industri 11, Alor Gajah Industrial Estate, 78000 Alor Gajah, Melaka	Tel: 06-5563833 Fax: 06-5563282	Copper Wire
18	Utama Cables Sdn. Bhd.	Office / Factory: JA 955, Plot 5C-D Kaw. Perindustrian Merlimau, 77300 Merlimau, Melaka	Tel: 06-2635151 Fax: 06-2635254	Insulated Wire and Cables
STATE: PULAU PINANG (1 MANUFACTURER)				
19	Elektrisola (M) Sdn. Bhd.	Office / Factory: Jln. Damai 1, Janda Baik, 28750 Bentong, Pahang	Tel: 09-2210888 Fax: 09-2210800	Enamelled Copper Wires

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT
STATE: PERAK (2 MANUFACTURER)				
20	Leoco Industries Sdn. Bhd.	Office: Bedford Business Park, No. 4-5, Jln. 3/137B Jln. Kelang Lama, 58200 K.L. Factory: 11-15, Tmn. Melati (Shoplot), Jln. Lumut, 32200 Lumut, Perak Darul Ridzuan.	Tel: 03-79819999, 05-6885616 Fax: 03-79846126, 05-6887288	Air Conditioning Copper Components
21	Mega Square Sdn. Bhd.	Office / Factory: No 3, Kaw. Perindustrian Ringan, Sg. Siput (U), Fasa II, 31100 Sg. Siput (U), Perak Darul Ridzuan	Tel: 05-5985597 / 5599 / 5600 Fax: 05-5985598	Copper Wire, Bare Copper, Enamelled Copper
STATE: SELANGOR (17 MANUFACTURER)				
22	Andavar Metal Manufacturing Sdn. Bhd.	Office / Factory: No. 7A, Jln. Kesuma 2/4 Bandar Tasik Kesuma 43700 Beranang, Selangor Darul Ehsan	Tel: 03-79842802 Fax: 03-79845503	Copper Ingot, Brass Ingot
23	Elite Precision Components Sdn. Bhd.	Office / Factory: No 40 & 42, Jln. Anggerik Mokara 31/47, Seksyen 31, Kota Kemuning 40460 Shah Alam, Selangor Darul Ehsan	Tel: 03-51222893 Fax: 03-51225928	Copper Conductor
24	FE Magnet Wire (M) Sdn. Bhd.	Office / Factory: Lot 2, Persiaran Waja, Bkt. Raja Industrial Estate, 41720 Klang, Selangor. Postal: P O Box 178, 41720 Klang, Selangor Darul Ehsan.	Tel: 03-3342700 <sup>1/2/3/4</sup> Fax: 03-33427213	Wire & Cable
25	FEC Cables (M) Sdn. Bhd.	Office: No. 1, Persiaran Raja Muda, 40000 Shah Alam, Selangor. Factory: No 16, Jln. Keluli 2, Bkt. Raja Industrial Area, Klang, Selangor Darul Ehsan. Postal: P O Box 7006, 40700 Shah Alam, Selangor Darul Ehsan.	Tel: 03-55191110 Fax: 03-55138688	Copper Tubes
26	Hi-Essence Cable Sdn. Bhd.	Office / Factory: Level 8, No.2, Jln. Industri PBP 2, Tmn. Industri Pusat Bandar Puchong, 47100 Puchong, Selangor	Tel: 03-80746988 Fax: 03-90746999	Copper

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT
27	HS Heiwa Precision (M) Sdn. Bhd.	Office / Factory: Lot. 3, Jln. Bawang Putih 24/34, Section 24, 40300 Shah Alam, Selangor	Tel: 03-55415262/ 5264 Fax: 03-55415263	Secondary Copper Ingots, Copper Wire Bar and Recycling of Copper Scrap
28	Jaring Metal Industries Sdn. Bhd.	Office / Factory: No. 7, Jln. Sg. Kayu Ara 32/37, Tmn. Berjaya, Seksyen 32, 40460 Shah Alam, Selangor	Tel: 03-57408823 Fax: 03-57408912	Copper Tapes, Copper Strips
29	KSS Copper Sdn. Bhd.	Office: No 5, PT 3815, Jln. 1/148A Tmn. Sg. Besi Industrial Park 57100 K.L. Factory: Plot 6, Jln. Zurah 7, Kaw. Perindustrian Zurah, Mkm. Rasa, Daerah Hulu Selangor, 44200 Rasa, Selangor Darul Ehsan	Tel: 03-79837706 Fax: 03-79842106	Copper Tubes
30	Luna Far East Sdn. Bhd.	Office / Factory: Lot PT 51339, Jln. Bkt. Kapar, Kuari, 42200 Klang, Selangor	Tel: 03-32506442 Fax: 03-32508551	Copper flakes
31	Met Tube Sdn. Bhd.	Office / Factory: No. 2, Persiaran K. Langat, Seksyen 27, 40400 Shah Alam, Selangor. Postal: P O Box 7286, 49710 Shah Alam, Selangor Darul Ehsan	Tel: 03-51023288 Fax: 03-51915405	Copper Wire, Bare Copper, Copper Rods, Copper Strips
32	Metco SMI Industries (M) Sdn. Bhd.	Office / Factory: Lot 2 & 3 Jln. RP, Tmn. Perindustriaan, Masalam Bt. 17, Jln. Ipoh, 48000 Rawang, Selangor	Tel: 03-60926020 Fax: 03-60926002	Copper Foils
33	Metrod (Malaysia) Berhad	Office: 3, Lengkok Keluli 2, P.O. Box 212, Bkt. Raja Industrial Estate, 41720 Klang, Selangor. Factory: 2, Solok Waja Satu, P O Box 212, Bkt. Raja Industrial Estate, Klang, Selangor Darul Ehsan	Tel: 03-33413422 Fax: 03-33415318	Copper Ingots, Insulated Copper Wire
34	Mitsui Copper Foil (M) Sdn. Bhd.	Office / Factory: No. 1C, Persiaran K. Langat, Sektor B, Seksyen 27, 40400 Shah Alam, Selangor Darul Ehsan	Tel: 03-51912867/ 2869/ 2870/ 2873/ 2877 Fax: 03-51912863	Copper Piping

No.	COMPANY NAME	ADDRESS	CONTACT NO.	PRODUCT
35	PM Copper Wire & Cables Sdn. Bhd.	Office: Lot 726-14A, Jln. Sg. Rasa, 40200 Shah Alam, Selangor Darul Ehsan. Factory: Lot 5090, Block B, Jln. Teratai, 5 ½ Miles, Jln. Meru, 41050 Klang, Selangor	Tel: 03-55193902 Fax: 03-55193920	Cables (Pilot, Power, Amoured, Aerial Bundled)
36	Sunchirin Industries (Malaysia) Berhad	Office / Factory: Lot 7, Jln. Api-Api 26/1 HICOM Industrial Estate, Section 26, P O Box 7153 40704 Shah Alam Selangor Darul Ehsan	Tel: 03-51911558 Fax: 03-51911811	Copper Tanks
37	Tenaga Cable Industries Sdn. Bhd.	Office / Factory: Lot 2, Jln. P/12, Section 10, Kaw. Perusahaan Bangi, 43650 Bandar Baru Bangi, Selangor. Postal : P O Box 81, 43650 Bandar Baru Bangi, Selangor Darul Ehsan.	Tel: 03-89222678 Fax: 03-89255911	Electronic Wire Harness
38	VBC Electro-Heat Sdn. Bhd.	Office / Factory: Wisma Vitar, Lot 590, Jln. Bt. Tiga Lama, Kaw. Perindustrian Sg. Rasa, 41300 Klang, Selangor Darul Ehsan	Tel: 03-33422023 Fax: 03-33425345	Wire Harness
STATE: PERAK (1 MANUFACTURER)				
39	Sg.K Technology Sdn. Bhd.	Office / Factory: No. 6, Jln. 3/118C Kaw. Perindustrian Desa Tun Razak, 56000 K.L	Tel: 03-91717872 Fax: 03-91712441	Recycling Metal Waste (Copper, Brass, Aluminium)





**DIRECTORY OF  
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