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Industry report of the construction material market in the PRC and other regions



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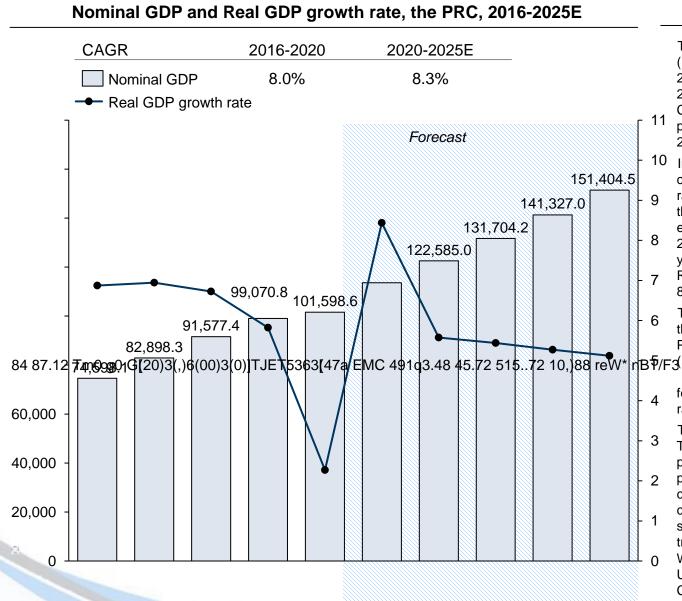
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Nominal GDP and real GDP growth rate in the PRC

-The macro-economy of the PRC has experienced a stable growth from 2016 to 2019 and a slow growth in 2020, with the nominal GDP reaching RMB101,598.6 billion in 2020; it is expected that the nominal GDP of the PRC will reach RMB151,404.5 billion in 2025



Key analysis

The macro-economy of the Republic of China (PRC) has achieved a stable growth between 2016 and 2020. The nominal GDP rose from RMB74,598.1 billion in 2016 to RMB101,598.6 billion in 2020, registering a CGAR of 8.0%. Meanwhile, the real gross domestic product (GDP) growth rate kept above 6.0% between 2016 and 2019.

10 In view of the severe global economic impact of the coronavirus(COVID-19) pandemic, the real GDP growth
9 rate of the RPC declined to 2.3% in 2020. It is expected that the economy will rebound after the pandemic is effectively controlled, with real GDP growing at 8.4% in
8 2021 and stabilizing around 5% to 5.5% in the next four years. The nominal GDP is estimated to reach
7 RMB151,404.5 billion in 2025, representing a CGAR of 8.3% between 2020 and 2025.

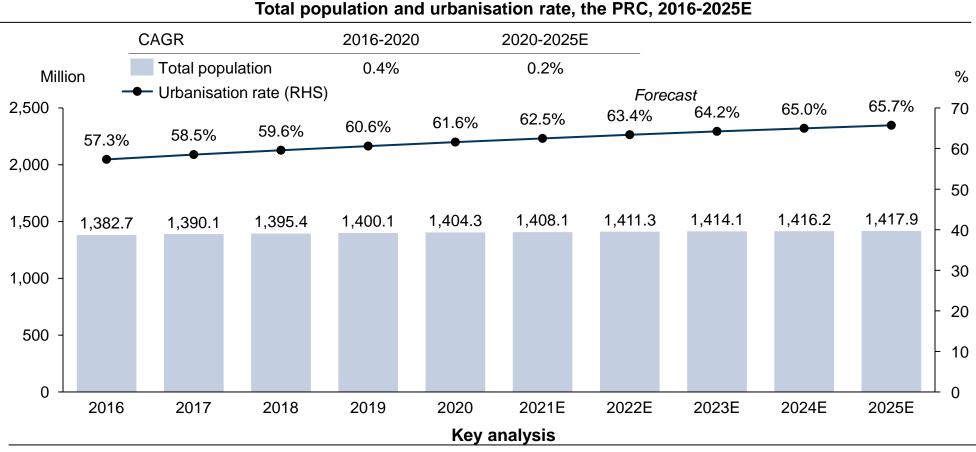
The economic development in the PRC has entered into the phase. According to the 13th Five-Year Plan for Economic and Social Development of the

), there is clear trend toward a more advanced form of growth, improved divisions of labour and a more rational structure in the PRC.

The PRC has proposed the and Road . The related infrastructure construction projects will further promote the economic development of Western China. It proposed that Western China should accelerate the construction of internal and external interconnection channels and regional hubs, improve infrastructures, and significantly improve the conditions for external transportation in developing and remote areas. In addition, Western China will continue to promote New Urbanisation. The continuous development of Western China will be one of the driving forces for the economic development in the PRC. Source: IMF, China Insights Consultancy 5 Macroeconomic environment in the PRC

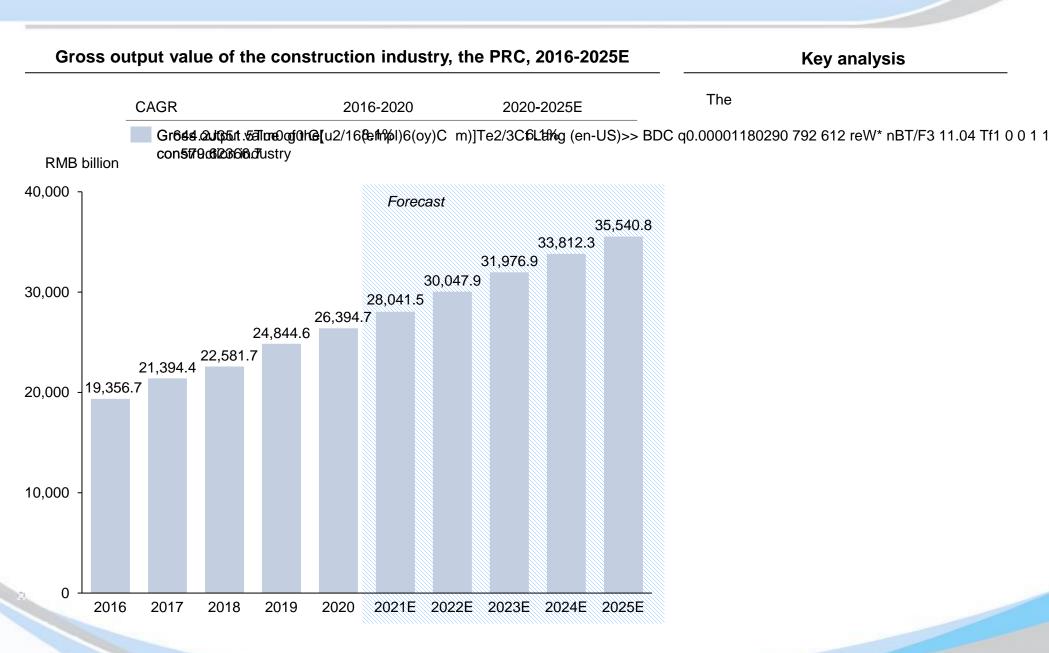
Total population and urbanisation rate in the PRC

-Under the combined effect of the ageing population and the universally implemented three-child policy, the population of the PRC is growing slowly; the urbanisation rate is expected to reach 65.7% in 2025 with favorable policies to promote urbanisation projects



The PRC is the largest country in the world as measured by population, accounting for approximately 19% of the total world population. The total population increased from 1,382.7 million in 2016 to 1,404.3 million in 2020, with a CAGR of 0.4%. With the implementation of the three-child policy, the total population is expected to continue to grow in the future, reaching 1,417.9 million by 2025.

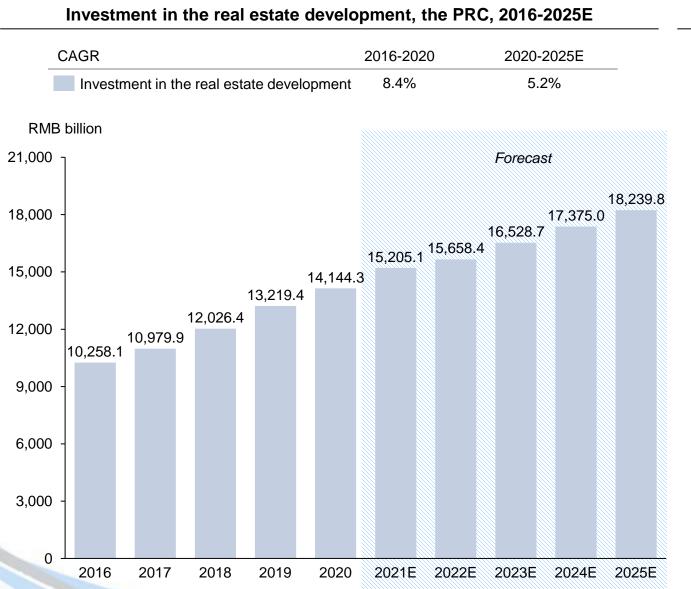
During the recent years, the pace of urban construction in the PRC has been accelerated, with the urbanisation rate reaching approximately 61.6% in 2020. In the future, the PRC will continue to promote new urbanisation projects, granting the urban residency to approximately 100 million former rural residents and other permanent urban residents without urban household registration. The urbanisation rate in the PRC is expected to reach 65.7% by 2025.



Macroeconomic environment in the PRC

Investment in the real estate development in the PRC

-The investment in the real estate development in the PRC has increased steadily over the past five years; controlled by various policies, the real estate industry will continue to develop in a healthy and rational way



Key analysis

The real estate industry is a precursory, basic and pillar industry in the national economic system. The status of the real estate industry determines that it plays an important and positive role in the national economy, mainly in promoting urban construction and economic growth, as well as improving living standards.

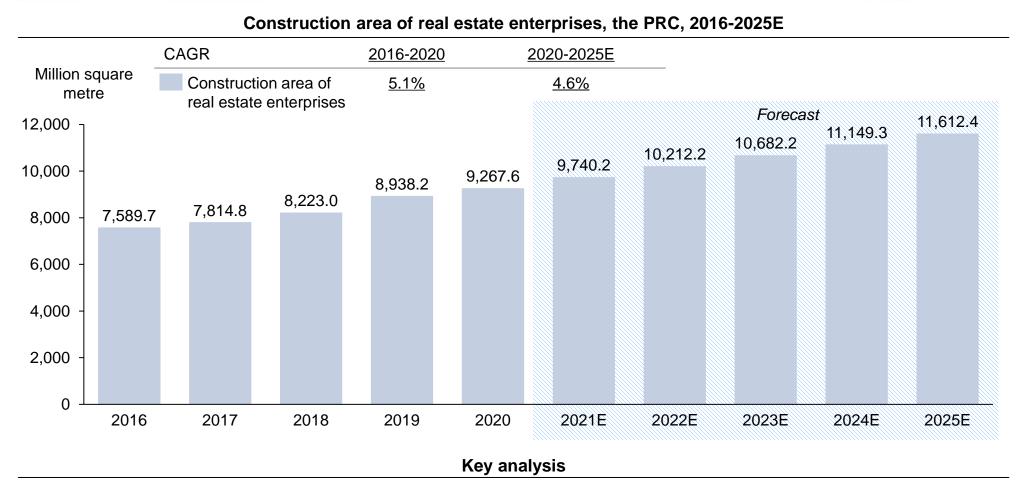
The real estate industry in the PRC has grown steadily over the past five years. The investment in the real estate development increased from RMB10,258.1 billion in 2016 to RMB14,144.3 billion in 2020, with a CAGR of 8.4%.

In the next five years, the PRC will continue to improve the housing supply structure, and promote the balance between market supply and demand. In areas where demand for housing far outstrips supply, the government will increase appropriate amount of land available for residential development. In areas with relatively large inventories of commodity housing, the government will steadily relieve housing inventory to ensure the smooth operation of real estate market.

As the PRC continues to optimise the housing supply structure, it is estimated that in 2025, the investment in the real estate development in the PRC will grow steadily to RMB18,239.8 billion with a CAGR of 5.2% between 2020 and 2025.

Construction area of real estate enterprises in the PRC

- With the steady growth of the investment in the real estate industry in the PRC, the construction area of real estate enterprises has experienced an upward trend over the past five years



With the steady development of the PRC real estate industry, the construction area of real estate enterprises has grown steadily from 7,589.7 million square metres in 2016 to 9,267.6 million square metres in 2020, with a CAGR of 5.1%.

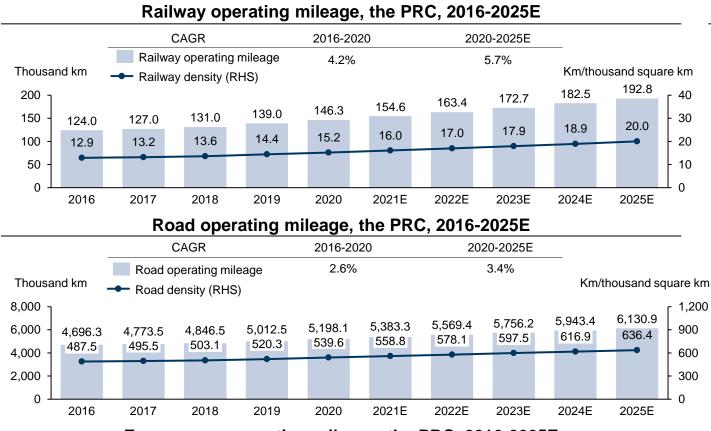
It is expected that the real estate industry in the PRC will continue to develop steadily in the future. The construction area of real estate enterprises in the PRC will grow to 11,612.4 million square metres in 2025, with a CAGR of 4.6% between 2020 and 2025.

Railway, road, and expressway operating mileage in the PRC

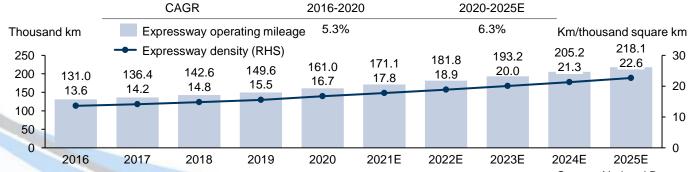
- The transportation network has developed rapidly in recent years with various indicators growing - and Long-

and

the transportation networks is expected to maintain a rapid growth in the next five years



Expressway operating mileage, the PRC, 2016-2025E



Key analysis

The transportation network in the PRC has developed rapidly in recent years. The railway operating mileage increased from 124.0 thousand kilometres (km) in 2016 to 146.3 thousand km in 2020, with a CAGR of 4.2%. The railway density increased from 12.9 km/thousand square km in 2016 to 15.2 km/thousand square km in 2020. The road operating mileage increased from 4,696.3 thousand km in 2016 to 5,198.1 thousand km in 2020, with a CAGR of 2.6%. The road density increased from 487.5 km/thousand square km in 2016 to 539.6 km/thousand square km in 2020. The expressway operating mileage increased from 131.0 thousand km in 2016 to 161.0 thousand km in 2020, with a CAGR of 5.3%. The expressway density increased from 13.6 km/ thousand square km in 2016 to 16.7 km/ thousand square km in 2020.

In the future, the PRC will continue to improve the lavout of railway network and move forward regional road interconnections. In addition, the government will speed up the construction of the national expressway network, which consists of 7 radial expressways from Beijing and 11 northsouth expressways. Furthermore, the PRC will continue to strengthen the construction of rural roads and promote the upgrade and transformation of county and township roads.

It is estimated that by 2025, the railway operating mileage will reach 192.8 thousand km, and the railway density will reach 20.0 km/thousand square km. The road operating mileage will increase to 6,130.9 thousand km and the road density will reach 636.4 km/thousand square km. The expressway operating mileage will grow to 218.1 thousand km, and the expressway density will reach 22.6 km/thousand square km.

Source: National Bureau of Statistics of China, China Insights Consultancy 10

Macroeconomic statistics summary of Hubei province

- Before Hubei suffered from the outbreak of coronavirus pandemic in 2020, it has experienced higher economic growth rate than the national average level since 2016. The infrastructure construction is expected to continue to expand along with the recovery of economy and the rise of urbanisation rate

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Macroeconomic statistics summary of Hunan province

- The nominal GDP in Hunan province reached RMB4,178.1 billion in 2020, and is expected to continue to grow rapidly at a CAGR of 8.8% between 2020 and 2025 as the coronavirus pandemic gets controlled

Macroeconomic statistics summary, Hunan province, 2016-

Macroeconomic statistics summary of Tibet Autonomous Region

-The economy in Tibet is relatively undeveloped compare to other key regions the Company covered; However, Tibet has experienced rapid growth in economy and real estate, and is expected to further expand at a high growth rate

Macroeconomic statistics summary, Tibet Autonomous Region, 2016-2025E

	Unit	2016	2017	2018	2019	2020	2021E	2022E	2023E	2024E	2025E	CAGR (16-20)	CAGR (20-25E)
Nominal GDP	RMB billion	115.1	131.1	154.8	169.8	190.3	215.8	239.5	265.3	293.5	324.5	13.4%	11.3%
Per capita GDP	RMB	35184.0	39267.0	45476.0	48902.0	54285.0	58997.0	64128.5	69515.0	75277.2	81415.0	11.5%	8.4%
Urbanisation rate	%	29.6%	30.9%	31.1%	33.2%	34.5%	35.7%	36.9%	37.9%	38.9%	39.9%		
Output of construction industry	RMB billion	11.1	14.8	17.3	22.0	29.5	35.0	41.9	50.0	59.3	70.1	27.6%	18.9%
Completed investment in fixed assets	RMB billion	159.6	197.6	216.8	212.0	223.4	246.1	270.4	296.2	323.7	352.8	8.8%	9.6%
Real estate development investment	RMB billion	4.9	4.0	9.3	13.0	16.5	18.6	20.8	23.3	25.9	28.8	35.9%	11.7%
Real estate enterprise construction area	Million square metre	3.5	2.3	3.6	7.6	9.5	13.8	19.5	26.7	35.6	46.4	28.3%	37.4%
Railway operating mileage	Km	786.3	785.1	785.1	1031.8	1356.0	1549.7	1771.1	2024.1	2313.2	2643.6	14.6%	14.3%
Road operating mileage	Thousand km	82.1	89.3	97.8	104.0	118.8	128.5	138.8	149.4	160.6	172.3	9.7%	7.7%

*Note: No historical data for expressway operating mileage of Tibet Autonomous Region

The infrastructure in Tibet Autonomous Region is relatively under-developed as compared to South China and East China.

Source: National Bureau of Statistics of China, China Insights Consultancy 14

Macroeconomic statistics summary of Chongqing city

- The per capita GDP of Chongqing reached RMB80,027.0 in 2020, which was higher than the national average level; Despite a growing urbanization rate, the real estate in Chongqing is expected to grow slowly and steadily in the next 5 years due to the saturated market and tightening land policies.

Macroeconomic statistics summary, Chongqing city, 2016-2025E

	Unit	2016	2017	2018	2019	2020	2021E	2022E	2023E	2024E	2025E	CAGR (16-20)	CAGR (20-25E)
Nominal GDP	RMB billion	1,774.1	1,942.5	2,158.9	2,360.6	2,500.3	2,692.0	2,960.7	3,264.1	3,601.1	3,976.6	9.0%	9.7%
Per capita GDP	RMB	58,502.0	63,442.0	69,901.0	75,828.0	80,027.0	84,961.8	92,784.8	101,571.8	111,269.5	122,007.1	8.1%	8.8%
Urbanisation rate	%	62.6%	64.1%	65.5%	66.6%	67.8%	69.0%	70.0%	71.0%	72.0%	72.9%		
Output of construction industry	RMB billion	703.6	760.6	781.9	822.3	897.5	985.1	1,081.2	1,186.7	1,302.3	1,429.1	6.3%	9.8%
Completed investment in fixed assets	RMB billion	1593.2	1744.1	1865.6	1969.9	2046.7	2169.5	2293.2	2417.4	2541.7	2665.9	6.5%	5.4%
Real estate development investment	RMB billion	372.6	398.0	424.9	443.9	435.2	454.5	473.1	491.1	508.3	525.1	4.0%	3.8%
Real estate enterprise construction area	Million square metre	273.6	259.6	272.3	279.9	273.7	274.5	275.4	276.1	276.9	277.6	0.0%	0.3%
Railway operating mileage	Km	2102.1	2166.0	2326.4	2394.0	2600.0	2817.0	3045.1	3284.2	3534.4	3795.6	5.5%	7.9%
Road operating mileage	Thousand km	142.9	147.9	157.5	165.6	179.6	188.6	197.8	207.2	216.7	226.4	5.9%	4.7%
Expressway operating mileage	Km	2817.0	3023.0	3096.0	3233.0	3478.0	3642.1	3805.3	3967.3	4127.8	4286.4	5.4%	4.3%

The construction material industry is highly correlated with the macroeconomic environment in Chongqing City.

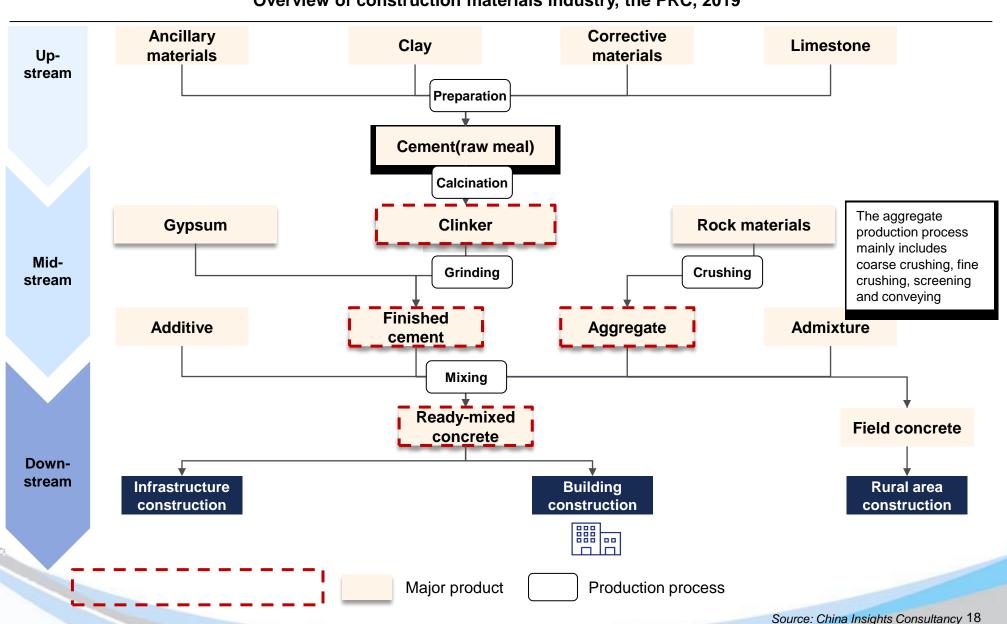
Source: National Bureau of Statistics of China, China Insights Consultancy 15

2. Analysis of the major construction material market in the PRC



Overview of construction materials industry in the PRC

- The production process of construction material industry comprises of raw meal preparation, clinker calcination, cement grinding, and concrete mixing; clinker, finished cement, aggregate and ready-mixed concrete are the key products of the Company



Overview of construction materials industry, the PRC, 2019

Definition and classification of cement in the PRC

categorised

is

into general cement, special cement, characteristic cement by purpose; general cement is the most widely used cement type since the general cement production accounts for over 95% of total cement production in the PRC

Definition of cements, the PRC, 2019

Cement refers to a

commonly used as a binder in construction settings which hardens, sets and adheres to other materials. Cement is seldomly used alone, but rather to bind sand and gravel together to produce concrete.

Cement can be categorised into general cement, special cement, characteristic cement by purpose. General cement is the Portland cement that is suitable for most industrial and civil construction projects. General cement is the most widely used cement type since the general cement production accounts for over 95% of total cement production in the PRC.

the DDC 2010

Classification of general coments

		Classification of g	eneral cements, the PRC, 2019					
Catagorias	Cada		Range of applications					
Categories	Code	Clinker + gypsum (%)	Applicable	Not applicable				
Portland cement	P·I	100	Rapid hardening concrete High-strength concrete	Mass concrete				
P·II	>=95	Prestressed concrete Concrete used under the condition of low temperature	Heat resistant concrete					
Ordinary Portland cement	P·O	>=80 & <95	Applicable for almost all kinds of concrete without specific requirements					
Slag Portland	P·S·A	>=50 & <80	Concrete used for ground and underwater projects	Rapid hardening concrete High-strength concrete				
cement	P·S·B	>=30 & <50	Heat resistant concrete	Watertight concrete				
Pozzolanic Portland cement	P·P	>=60 & <80		Concrete under the condition of				
Portland fly-ash cement	P·F	>=60 & <80	Concrete used for underground projects Mass concrete	dry environment Rapid hardening concrete				
Composite Portland cement	P·C	>=50 & <80		High-strength concrete				

Source: Ministry of Ecological Environment, China Insights Consultancy 19

Definition of Clinker in the PRC

-Clinkers refers to the by-product produced during the manufacturing of cement. It is produced by sintering limestone and aluminosilicate materials such as clay during the cement kiln stage

Definition of Clinker, the PRC, 2019

Clinkers refers to the by-product produced during the manufacturing of cement. It is produced by sintering limestone and aluminosilicate materials such as clay during the cement kiln stage.

Classification of cement kilns for cements clinker production, the PRC, 2019

Cement kilns are the heart of the production process of cement, whose capacity usually defines the capacity of the cement plant. As the main energy-consuming and greenhouse-gas emitting stage of cement manufacture, improvement of kiln efficiency has been the central concern of cement manufacturing technology. Common cement kilns in the PRC include Wet process kiln, mechanized shaft kiln, ordinary dry kiln, and new type dry process kiln. The new type dry process kiln is most widely used in China among all different kilns, as it is environmentally friendly and efficiency.

Categories	Wet process kiln	Mechanized shaft kiln	Ordinary dry kiln	New type dry process kiln
Key features	High mobility of cement slurry well-mixed High quality of Clinker	Inequality of calcination Need long time to cool down Hard to control during the calcination Fluorine pollution	High efficiency of heat transfer Relatively low mobility of cement slurry Undermixing of raw meal	latest production technology High efficiency of heat transfer High production volume Environmentally friendly
Heat consumption index*	191	139	211	100
Popularity	٢	٢	C Low to	N iah

*Note: Heat consumption index indicates the burning heat consumption for clinker; The higher the heat consumption index, the more burning heat consumption for clinker

Source: NDRC, China Insights Consultancy 20

Definition of aggregate, the PRC, 2019

Aggregate refers to inert granular material used in construction, including sand, gravel, crushed stone, slag, etc. Aggregate refers to inert granular material used in construction, including sand, gravel, crushed stone and slag; and it serves as a reinforcement to strengthen the overall composite material. Aggregates are used to increase volume, stability, resistance to wear or erosion, and other desired physical properties to the finished product. For a good concrete mix, aggregates need to be clean, hard, strong particles free of absorbed chemicals or coatings of clay and other fine materials that could cause the deterioration of concrete.

Aggregates can be divided into fine and coarse aggregates, both of which are indispensable in producing concrete. The ratio of coarse aggregate to fine aggregate in construction can affect the performance of the concrete.

	Classi	fication of aggregate,	the PRC, 2019	
egories	Size	Products	Silt bearing*	Range of applications
Coarse Igregate	>=4.75mm	Natural sand: River sand Mountain		
Fine pregate	<=4.75mm			

Definition and classification of construction materials in the PRC

Definition and classification of concrete in the PRC

- Concrete refers to a general term for engineering composite materials in which aggregates are cemented into a whole by cementing materials; concrete can be categorised into cast-in-place concrete and ready-mixed concrete according to different mixing locations, and production and quality management

Definition of concrete and ready-mixed concrete, the PRC, 2019

Concrete refers to a general term for engineering composite materials in which aggregates are cemented into a whole by cementing materials. Concrete is obtained by mixing cement, aggregates, water, and admixtures in a certain proportion, and is widely used in civil engineering.

Concrete can be categorised into cast-in-place concrete and ready-mixed concrete according to different mixing locations, and production and quality management. Ready-mixed concrete refers to concrete that is specifically batched or manufactured for construction projects, and supplied to the customer on-site as a single product. It is a mixture of Portland or other cement, water and aggregate. Ready-mixed concrete requires special production machinery and equipment, and a special mix ratio design.

Compared with the cast-in-place concrete, ready-mixed concrete has the advantages of high product quality, stable and controllable, high work efficiency, and low environmental pollution, which is in line with the national policies for green development.

Classification of ready-mixed concrete, the PRC, 2019								
Categories	Compressive Strength*% of total ready- mix concrete 2019		Features	Typical application scenarios				
Low to medium strength ready-mixed concrete	C10 C15 C20 C25	25-30%	The price and the requirements for raw materials in production are relatively low Relatively low compressive strength and impermeability	Concrete cushion Backfilling in foundation	Highway retaining wall Construction access	Mostly used for non-load- bearing components and temporary structures with relatively small forces and low durability requirements		
Medium to high strength ready-mixed concrete	C30 C35 C40 C45 C50 C55	70-75% (C30 accounts for ~45%)	Moderate production cost A certain level of compressive strength, volume stability, durability, and other properties	Foundation raft	Prestressed T beam	Mostly used for load- bearing components and permanent structures in infrastructure and housing construction		
High strength ready-mixed concrete	C60 and above	<1%	High requirements for raw material quality and high production costs High compressive strength, durability, and volume stability	Main structure	Core tube for skyscraper	Mostly used for landmark structures such as long- span bridges and super high-rise constructions		

*Note Concrete products can be divided into different strength grades from C10 to C100 according to their strength grades. The higher the concrete grade, the stronger the compressive capacity

Source: China Insights Consultancy 22

Production volume of cement, the PRC, 2016-2025E

Forecast

The production volume of cement in the PRC fell slightly from 2,410.3 million tonnes to 2,236.1 million tonnes between 2016 and 2018, mainly due to the cutting overcapacity strategy and the production restriction policy for environmental protection. After that, the supply and demand of the market became balanced and the production volume saw a rise, reaching 2,394.8 million tonnes in 2020. Given that the demand of cement market kept going up for the increasing investment 3

Production value of cement, the PRC, 2016-2025E

Forecast

The production value of the cement experienced a rapid and continuous growth from 2016 to 2020, rising from RMB484.3 billion to RMB840.4 billion, with 14.8% CAGR, which is mainly due to the increase of the cement price. With the implementation of industry-wide supply-side reform and the strengthened supervision of environmental protection, the inventory for domestic cement supply dropped to a low level in the PRC, which

Production volume of clinker, the PRC, 2016-2025E

Forecast

The production volume of clinker in the PRC has experienced a steady increase from 1,370.0 million tonnes in 2016 to 1,579.0 million tonnes in 2020, representing a CAGR of 3.6%.

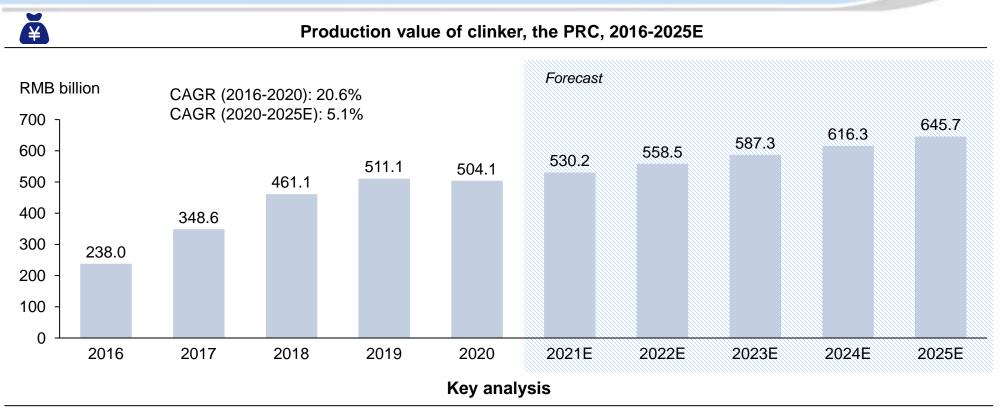
As the national economic development slowed down, the growth rate of both FAI in the real estate industry and investment in infrastructure construction decreased slightly. With a lower growth rate of downstream demand and the supply-side reform to decrease the production capacity, the growth rate of production volume of clinker has been maintained at a relatively low level since 2016, and is assumed to be lower considering the production restriction of the ongoing carbon-neutral policies for suppliers.

Despite the negative impact of the 2020condutbore(ath-of/2340.04/0000(00008/DMG) /Sapademid/MakD a)>preduction 36f. 2000 20000* mBte/frais 1054 te044e.064 stagnation of construction projects, the production volume of clinker in 2020 still increased by 3.7%, which indicates a strong demand of clinker market. A continuous growth of production volume of clinker is expected to be seen in the coming years since the pandemic has got controlled.

Driven by the growing investment in infrastructure construction and real estate, the demand and production volume of clinker are expected to continue to increase. It is predicted that the production volume of clinker in the PRC will reach 1,888.9 million tonnes in 2025,

Production value of clinker in the PRC

-The production value of clinker rapidly increased between 2015 and 2019, and slightly fell in 2020 due to the coronavirus. It is expected to maintain steady growth in the next few years with the steady increase in the price and production volume of clinker



The production value of clinker rapidly increased from RMB228.0 billion to RMB511.1 billion between 2016 and 2019, mainly driven by the rising in the price of clinker. With the implementation of industry-wide supply-side reform and the strengthened supervision of environmental protection, the inventory for domestic cement supply dropped to a low level in the PRC, which has boosted the price of clinker between 2015 and 2019. The production value of clinker falls to RMB504.1billion in 2020, registering a CAGR of 20.6% between 2016 and 2020.

In view of the outbreak of coronavirus(COVID-19) pandemic in 2020, infrastructure and real estate construction projects shut down, resulting in lower demand of clinker, which led to a lower market price in 2020. A continuous growth of production value of clinker is expected to be seen in the coming years since the price and production volume are rising up in the economic recoveries after pandemic.

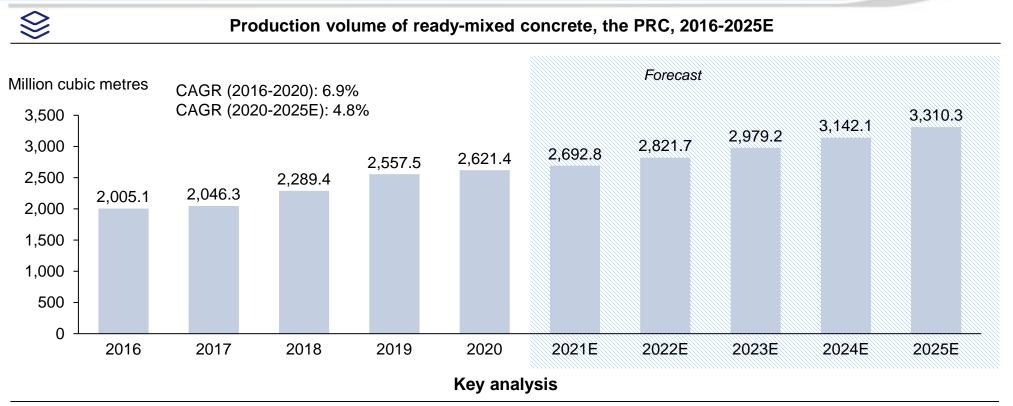
In the next few years, due to the supply chain revolution of the cement industry, strengthened supervision of environmental protection, and the further implementation of the de-capacity policy, the price of clinker is expected to rise steadily. The production value of clinker is expected to continue to grow in the next few years driven by the steady growth in infrastructure and real estate construction, but with a low growth rate due to the production restriction of the ongoing carbon-neutral policies for suppliers. Therefore, it is estimated that the total production value of clinker in the PRC will reach RMB645.7 billion by 2025, with a CAGR of 5.1% between 2020 and 2025.

Source: National Bureau of Statistics of China(NBSC), China Cement Association, China Insights Consultancy 26

Production volume of ready-mixed concrete in the PRC

Production volume of ready-mixed concrete in the PRC

-The production volume of ready-mixed concrete in the PRC increased between 2016 and 2020 with a CAGR of 6.9%, and is expected to continue to grow, driven by the increasing demand from downstream real estate and infrastructure construction as well as the growing penetration rate of ready-mixed concrete



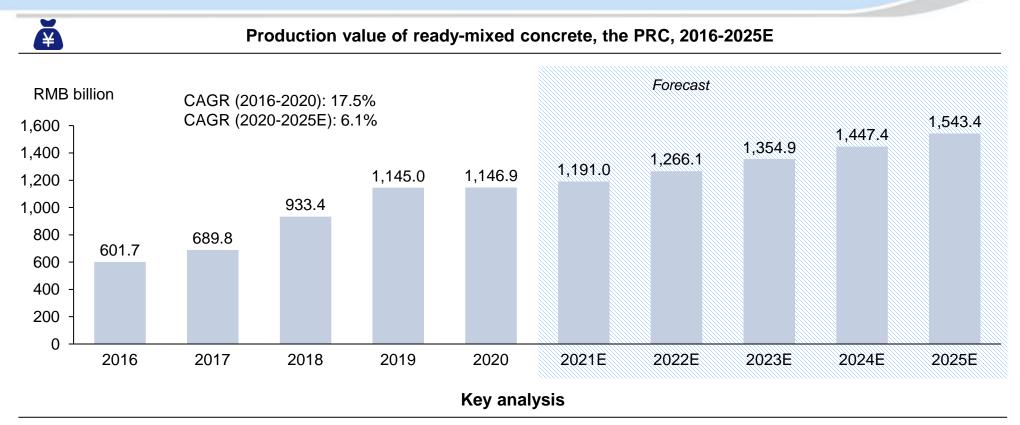
The production volume of ready-mixed concrete in the PRC increased from 2,005.1 million cubic metres in 2016 to 2,621.4 million cubic metres in 2020, representing a CAGR of 6.9%. Due to the oversupply of ready-mixed concrete, the utilization rate of ready-mixed concrete production capacity in the PRC was relatively low, within a range of 20% to 40% between 2016 and 2020.

Due to the coronavirus (COVID-19) pandemic in 2020, infrastructure and real estate construction projects shut down in Q1, resulting in a lower production volume of ready-mixed concrete. Despite the pandemic, the production volume of cement in 2020 still increased by 2.5% due to the stimulus for domestic infrastructure construction. According to the 2020 Government Work Report, RMB3.75 trillion worth of special bonds program would be issued in 2020 to support New Infrastructure and New Urbanization initiatives, which is being used as a way to boost economic growth following the coronavirus pandemic. It is expected that the production volume of ready-mixed concrete will recover soon after the pandemic is fully controlled.

Considering the growing demand for concrete in infrastructure construction and real estate, along with the increasing penetration rate of ready-mixed concrete, the demand, and production volume of ready-mixed concrete are expected to continue increasing. It is predicted that the production volume of the PRC ready-mixed concrete will reach 3,310.3 million cubic metres in 2025, with a CAGR of 4.8% between 2020 and 2025.

Production value of ready-mixed concrete in the PRC

- The production value of ready-mixed concrete in China increased rapidly between 2016 and 2020, largely due to the rising price and production volume of ready-mixed concrete over the past few years, and is projected to continue growing with a CAGR of 6.1% between 2020 and 2025.



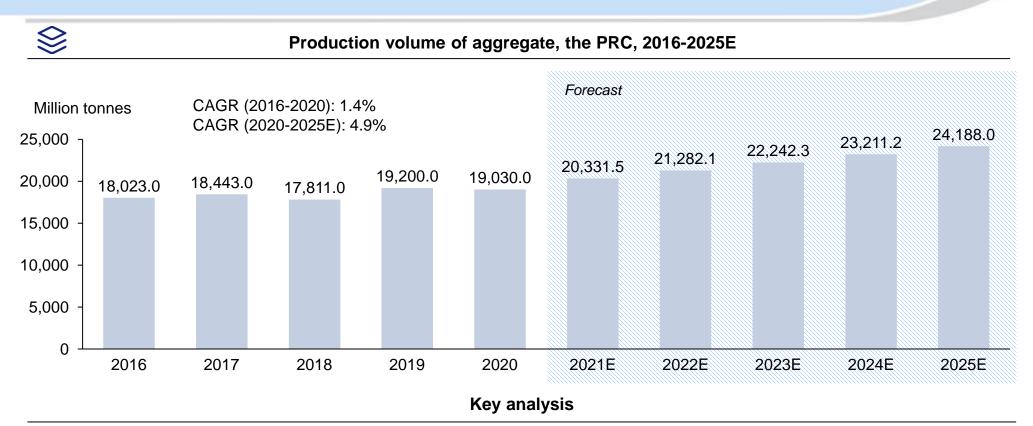
The production value of ready-mixed concrete in China has increased from RMB601.7 billion in 2016 to RMB1,146.9 billion in 2020 at a CAGR of 17.5%, maintaining a fast growth between 2016 and 2020. The significant growth between 2016 and 2019 is largely caused by surges in both the price and production volume of ready-mixed concrete.

With factories closed in 2020 Q1 due to the COVID-19 pandemic, the production value of ready-mixed concrete in 2020 is roughly the same as that of 2019. However, it is expected that the production value of ready-mixed concrete will recover soon and continue to grow after the pandemic is under control.

In the next few years, with the steady increase in the demand for ready-mixed concrete and the further implementation of the de-capacity policy, the price of ready-mixed concrete is expected to rise steadily. Besides, the production volume of ready-mixed concrete is predicted to continue to maintain a growing trend. Therefore, it is estimated that by 2025, the total production value of ready-mixed concrete in the PRC will reach RMB1,543.4 billion, with a CAGR of 6.1% between 2020 and 2025.

Production volume of aggregate in the PRC

-The production volume of aggregate in the PRC fluctuated between 2016 and 2020, and is expected to maintain steady growth in the next few years with the steady increase in downstream demand



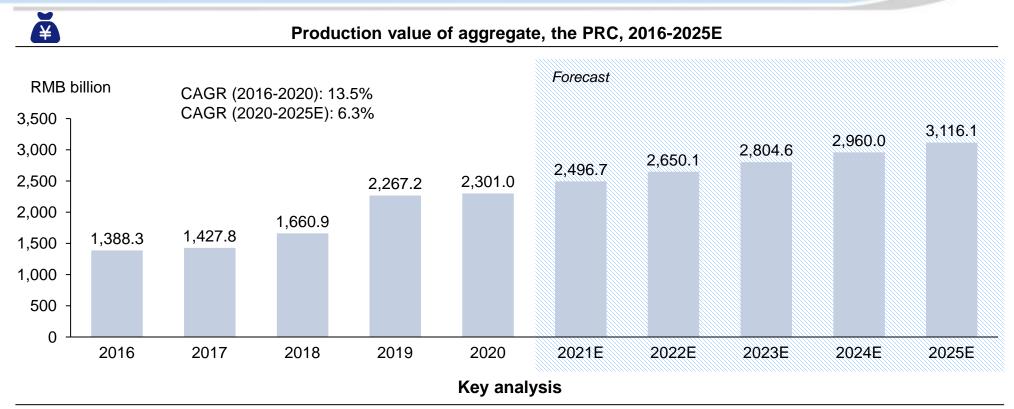
The production volume of aggregate in the PRC increased from 18,023.0 million tonnes in 2016 to 19,030.0 million tonnes in 2020, representing a CAGR of 1.4%. The production volume declined slightly in 2018 and 2020 mainly as a result of a stringent regulation in mining for the purpose of environmental protection and coronavirus.

Due to the outbreak of coronavirus(COVID-19) pandemic in 2020, infrastructure and real estate construction projects shut down, resulting in lower demand and production of aggregate. It is expected that the production of aggregate will recover after the pandemic is fully controlled.

Given that the demand for aggregate in infrastructure construction and real estate is increasing, the demand and production volume of aggregate are expected to continue increasing. It is predicted that the production volume of aggregate in the PRC will reach 24,188.0 million tonnes in 2025, with a CAGR of 4.9% between 2020 and 2025.

Production value of aggregate in the PRC

-The production value of aggregate increased between 2016 and 2020 and is expected to maintain steady growth in the next few years with the further implementation of environmental protection regulations and the prospective growth in the production of artificial sand.



The production value of aggregate rapidly increased from RMB1388.3 billion to RMB2,301.0 billion between 2016 and 2020, representing a CGAR of 13.5%. This corresponds to a rising aggregate price driven by the inventory drop mainly as a result of stringent environmental protection-related regulations in mining.

Despite the negative impact of the 2020 outbreak of coronavirus(COVID-19) pandemic had on the production of construction materials due to the stagnation of construction projects, the production volume of ready-mixed concrete in 2020 still increased by 1.5% caused by the rising price. A continuous growth of production value of ready-mixed concrete is expected to be seen in the coming years.

In the next few years, implementation of environmental protection regulations will continue to support a steady rise in price of aggregate, as well as the prospective growth in the production of artificial sand. The production volume of aggregate is expected to continue to grow in the next few years driven by the steady growth in infrastructure and real estate construction. Therefore, it is estimated that the total production value of aggregate in the PRC will reach RMB3,116.1 billion in 2025, with a CAGR of 6.3% between 2020 and 2025.

Regional distribution of cement production volume, i		the PRC, 2020					
	Rank	Province	Cement production (million tons)	% of Total			
	1	Guangdong	170.8				
	2	Shandong	157.7				
	3	Jiangsu	153.1				
	4	Sichuan	145.0				
	5	Anhui	141.8				
	6	Zhejiang	132.4				
	7	Yunnan	129.8				
million tonnes 50 million tonnes	8	Guangxi	121.4				
0 million tonnes million tonnes	9	Henan	117.2				
0 million tonnes o 10 cement production provinces	10	Hebei	117.2				

Regional distribution of cement production volume, the PRC, 2020

-----imately 70% of the total cement production in China.

Top 10 provinces by volume of cement production,

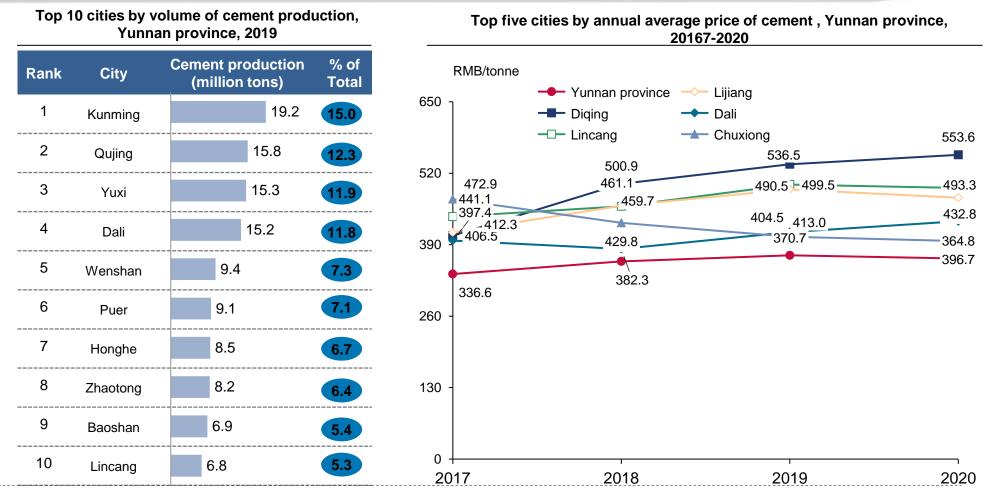
Since cement has the characteristics of low weight-to-value ratio and limited expiration date, it is generally sold within a certain proximity from its production facility to balance between revenue and transportation costs.

By the end of 2020, there were three provinces with an annual cement production volume exceeding 150 million tonnes, being Guangdong, Shandong and Jiangsu, and 13 provinces with an annual cement production volume exceeding 100 million tonnes, being Sichuan, Anhui, Zhejiang, Yunnan, Guangxi, Henan, Hebei, Hunan, Guizhou and Hubei. This part will and Tibet Autonomous Region.

Hubei, Yunnan, Hunan, Chongqing and Sichuan provinces have experienced significant economic growth and increasing fixed asset investments in recent years, which have led to increasing demand for construction materials, including cement, clinker, concrete and aggregate. From 2016 to 2020, the nominal GDP of Hubei, Yunnan, Hunan, Chongqing and Sichuan grew at a CAGR of 7.4%, 13.5%, 7.3%, 9.0% and 10.2%, respectively, and the fixed asset investments of Hubei, Yunnan, Hunan, Chongqing and Sichuan grew at a CAGR of 7.4%, 13.5%, 7.3%, 9.0% and 10.2%, respectively, and the fixed asset investments of Hubei, Yunnan, Hunan, Chongqing and Sichuan grew at a CAGR of 1.0%, 10.2%, 13.8%, 6.5% and 8.6%, respectively. From 2020 to 2025, the nominal GDP of Hubei, Yunnan, Hunan, Chongqing and Sichuan is expected to grow at a CAGR of 10.4%, 10.1%, 8.2%, 9.7% and 8.3%, respectively.

Regional distribution of cement production in Yunnan province

- Cities in the central parts of Yunnan provinces have higher cement production volume due to the advanced logistics networks; Diqing, Lincang, Lijiang, Dali and Chuxiong are the top five cities In terms of annual average price of cement



Kuming, Qujing and Yuxi are the top three cities in Yunnan provinces in terms of volume of cement production in 2020, accounting for 15.0%, 12.3% and 11.9% of total cement production volume in Yunnan, respectively. The cities with large volume of cement production are mainly located in the central and northeast parts of Yunnan province given that it comprises of convenient logistics infrastructures such as Kunming-Hekou Railway, Kunming-Yuxi Railway, etc.

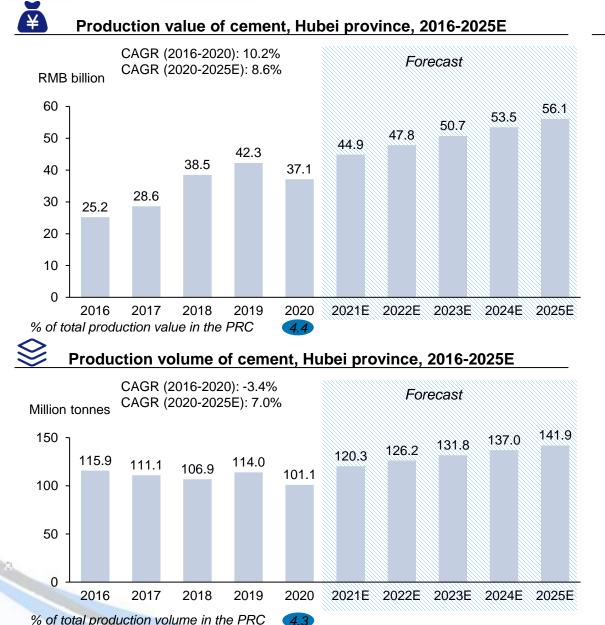
In terms of annual average price of cement, Diqing, Lincang, Lijiang, Dali and Chuxiang are the top five cities with annual average price of RMB553.6 per tonnes, RMB493.3 per tonnes, RMB475.6 per tonnes, RMB432.8 per tonnes, RMB396.7 per tonnes in 2020, respectively. The annual average price of cement is higher than the province average level mainly as a result of their relatively stronger economic activities, lower production capacity and higher transportation costs.

* The average price of cement refers to the average price of P.O 42.5 bulk cement, a kind of high-end cement, including tax.

Source: National Bureau of Statistics of China(NBSC), China Insights Consultancy 32

Cement production in Hubei province

- Hubei province as the epicenter of the COVID-19 pandemic has suffered a tremendous downturn in construction and other industries in 2020; However, as economy recovers, the cement production is expected to rise as to support future development of the cities.



Key analysis

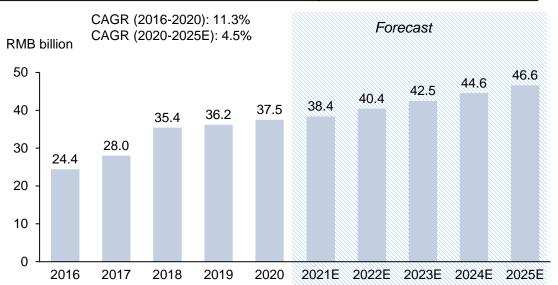
Hubei province is situated in Central China, with a long and rich history in cement production. The province is abundant in water resources as it is home to many rivers and lakes. As a result of its convenient waterways, cement manufacturers in Hubei province are able to lower their transportation costs for delivering cement to other provinces.

The production value of cement in Hubei increased from RMB25.2 billion in 2016 to RMB42.3 billion in 2019, and decreased to RMB37.1 billion in 2020, representing an overall CAGR of 10.2%. Due to the low inventory level for domestic cement supply in Hubei province, the annual average price of cement raised significantly since 2016, reaching RMB367.1 per tonne in 2020. Cement production in Hubei accounted for 4.4% and 4.3% of total cement production in China in 2020 in terms of production value and volume, respectively.

The overall economy of Hubei suffered tremendously as it is the epicenter of the COVID-19 pandemic where the whole province had to shut down for a few months in the first two quarters of 2020. However, with the pandemic becoming under control, it is expected that the output of construction industry and fixed assets investment will pick up in 2021 and experience a CAGR of 13.7% and 10.9% between 2020 and 2025, respectively. To promote infrastructure construction, the government of Hubei province released Three-year action plan for the "Ten Major Projects" of Hubei Province after the epidemic to restore its shortcomings and strong functions (2020-2022)(

(2020 2022)) which aims to invest approximately RMB2.3 trillion in infrastructure construction in the next three years. Such favourable policies, coupled with the natural advantage of rivers and waterways in Hubei Province, can continue to support the future development of the cement and concrete industry.

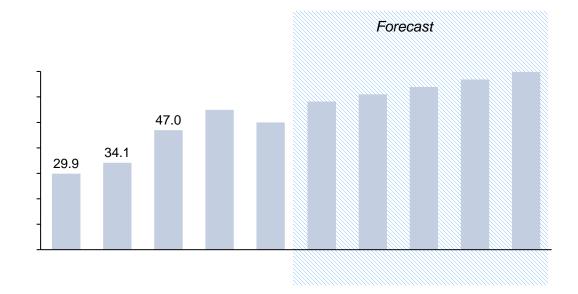
Note: The production value was calculated based on ex-factory cement price, excluding tax and freight.

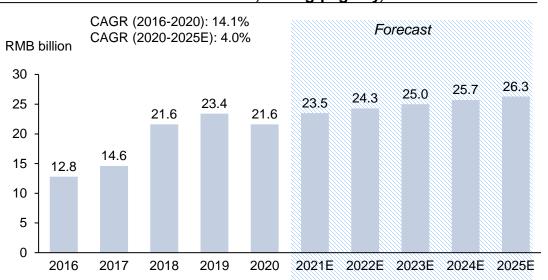


Production value of cement, Hunan province, 2016-2025E

Key analysis

Located in south-central China to the middle reaches of the Yangtze River and south of the Dongting Lake, Hunan province is one of the key regions across China in terms of economic development both regionally and nationally. With the ever-improving traffic infrastructure such as highway, railway, and shipping, both intercity traffic and interprovincial traffic of Hunan province brings great convenience for cement transportation. Moreover, Hunan has abundant natural resources of raw materials for cement





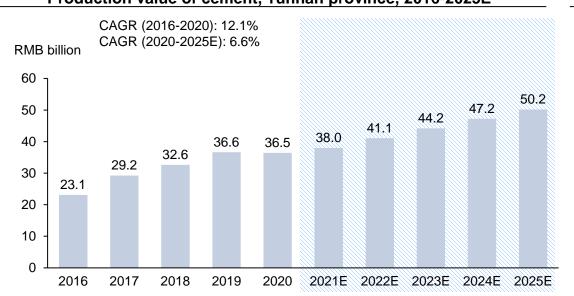
Production value of cement, Chongqing city, 2016-2025E

Key analysis

Chongqing is the largest municipality in terms of area directly under the central government located in western China. Chongqing Jiangbei International Airport, one of the top ten airports in China, and the largest port on the upper reaches of the Yangtze River are both located in Chongqing. Chongqing has unique advantages in the Belt and Road Initiative due to its favorable location. With the smooth operation of the Chongqing-Xinjiang-Europe international railway, Chongqing has become the frontier of the Belt and Road Initiative. Therefore, the transportation advantages as well as the infrastructure investment led by the Belt and Road Initiative drove the development of the cement industry in Chongqing.

With an urbanisation rate higher than the national average, Chongqing is saturated in the real estate market. To guarantee a healthy growth of the market, the government has tightened the land offering policies and imposed limitations on house purchasing, which might led to a lower growth rate of the future cement production.

The production volume of cement in Chongqing fluctuated between 2016 and 2020, driven by the supply-side reform in the PRC. With the staggering production policy, the capacity of cement production has been controlled and the supply and demand has been balanced. The production volume of cement reached 65.1 million tonnes in 2020. As a result of the **aibie**g cement price, the production value of cement increased rapidly from RMB12.8 billion in 2016 to RMB23.4 billion in 2019, and decreased to RMB21.6 billion in



Production value of cement, Yunnan province, 2016-2025E

Key analysis

Yunnan province is located in the geographical center of Asia, which makes it a key trading hub of Asia. Within

Belt and Road Initiative, Yunnan is home to key road and railway links to South and Southeast Asian countries, such as Laos, Vietnam, and Myanmar via the China-Myanmar-Bangladesh-India Economic Corridor.

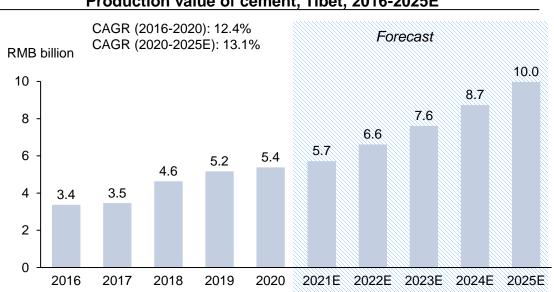
The economic growth in Yunnan Province has boosted the market demand for cement. The growth rate of investment in real estate development in Yunnan exceeded the national average level, registering a CAGR of 13.8% between 2016 and 2020. Therefore, the production volume of cement in Yunnan province grew at a higher rate than the national average level over the past five years given that the demand from real estate construction is higher in Yunnan province.

The production value and the production volume of cement in Yunnan Province increased from RMB23.1 billion and 109.6 million tonnes to RMB36.5 billion and 129.8 million tonnes, representing a CAGR of 12.1%

Therefore

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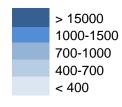
Production value of cement, Tibet, 2016-2025E

Key analysis

Tibet Autonomous Region is located in southwest China and is adjacent to the Xinjiat & Uyguri Attonom 2025 Region and Qinghai, .1% Sichuan, Yunnan. provinces. Bordering 755 Tithe Asia (n1 &)] The Edg CpET such as India, Nepal, Myanmat & And Bhutari, & Webet is an important region to seek cooperation with Station (1) (Asia) (1000) (11%) in the Belt and Road Initiative.

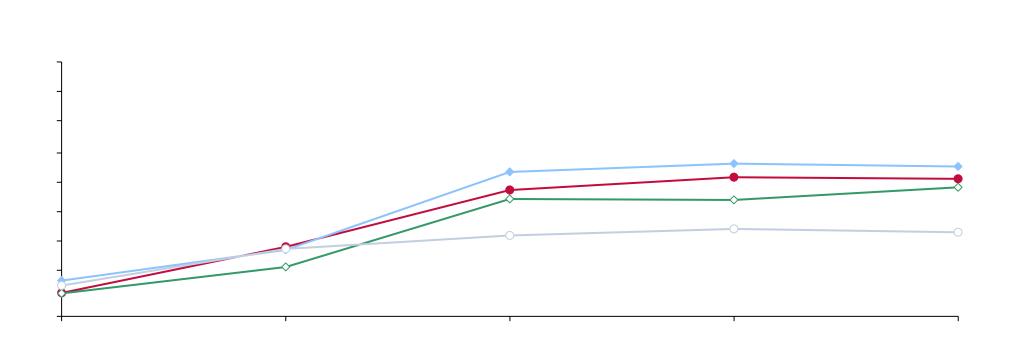
GDP growth has been one of the best performing in China over the past five years, negistering a CAGR of 13.4% between 2016 and 2020, underpionet by strong investment in infraseOottlike and robustl%dotASURDgtiden-VBthat BeDCrq3SO0e11802 infrastructure projects launched over the past few years, the construction interviews infrarket in Tibet & veloped ped Regional distribution of sand and gravel mines, the PRC, 2020





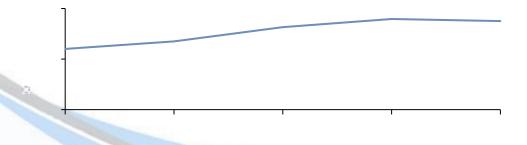
Annual average price of cement, key regions, 2016 - 2020

RMB/tonne



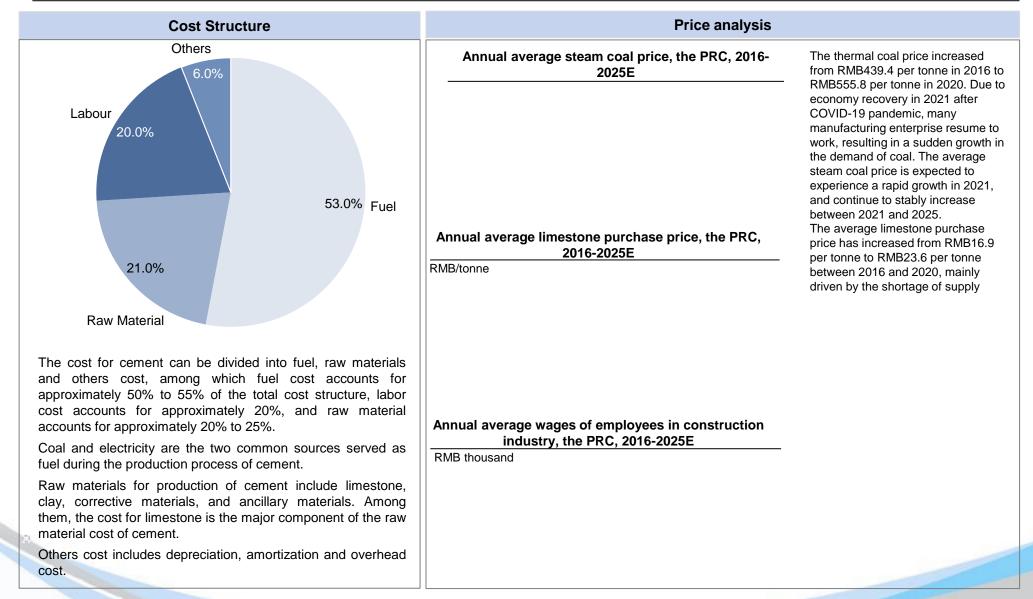
Price analysis of construction materials industry in the PRC(2/2)

-The annual average price of construction materials including clinker, aggregate and ready-mixed concrete experienced a rapid growth between 2016 and 2020, which is mainly due to the production limitation for environment protection and the de-capacity reforming policies



Source: China Insights Consultancy 41

Cost analysis of cement, the PRC, 2020



Source: China Insights Consultancy 42

The rapid growth of investment in infrastructure construction and the stable investment in real estate development in China jointly ensure the stable increase in demand for construction materials and will promote the further development of the construction material industry throughout China. With the increasing development level of the national economy, residents in the PRC have put forward higher requirements on infrastructure and housing environment, thus the Government has listed the urban infrastructure construction as the core of national economy construction. The total investment in infrastructure construction in the PRC increased from RMB15,201.2 billion in 2016 to RMB17,051.8 billion in 2020 with a CAGR of 2.9%. In the meantime, the investment in real estate development increased from RMB10,258.1 billion to RMB14,144.3 billion, representing a CAGR of 8.4% between 2016 and 2020.

Infrastructure construction and the real estate industry are expected to experience steady growth in the next few years with the implementation of related policies and measures. In 2016, the State Council issued the revision of Medium- and Long-Term Railway Network Plan(), which sets targets for the size of the railway network by 2025. The Ministry of Housing and Urban-Rural -Year Plan for the Municipal Infrastructure Construction in) in 2017. The Plan sets

development goals for infrastructure construction and real estate. Moreover, in 2018, the General Office

Key drivers of construction materials industry in the PRC(2/2) - The major drivers

Key drivers	Analysis
Increasing urbanisation rate	As the national economy has entered into a new era of high-quality development, the urbanisation rate and level of industrialisation have continuously improved. The urbanisation rate in the PRC has increased from 57.3% in 2016 to 61.6% in 2020, and is expected to reach 65.7% by 2025. With the rapid urbanization process of the PRC, the continuous urban construction drives the demand for construction materials.
and promotion of new -type urbanization and rural revitalization	 Besides, The Chinese government actively promoted new-type urbanization, rural revitalization, and poverty alleviation through transportation infrastructure construction. In March 2019, the National -type Urbanization for), which aimed to optimize plans for urbanization, strengthen support for transportation networks, promote high-quality urban development, reinforce the construction of urban infrastructure, accelerate the development of urban-rural integration, and improve the capabilities for construction and management of municipal infrastructure. The promotion of new-type urbanization and rural construction will provide support for cement demand.
Favorable government policies for environmental protection, production efficiency and other factors	In recent years, the PRC has successively issued a number of policies and regulations for the construction materials industry to enhance product standards, energy saving, and emission reduction and production safety, and further promote the structural adjustment of cement products <u>and certain high-tech building materials</u> High-Quality Development of the machine-), 3), Guiding Opinions on Elimination of Backward Production Capacities and Upgrade of Ready Mixed Opinions on Accelerating the , etc. These policies and regulations regulated the market and ensured the sustainable development of the construction materials industry.

Source: China Insights Consultancy

Future Trends of the construction materials industry in the PRC

- The key future trends of construction materials industry of the PRC include promotion of green development, persistent supply-side structural reform and adoption of information and energy conservation technologies in cement production

Future Trends	Key Analysis
Promotion of green development	As the construction materials industry develops and upgrades, green, environmentally friendly and energy-efficient construction materials have become the mainstream of the construction market. In June -Year Action Plan for Winning the Blue Sky Defense), which required the cement industry to continuously eliminate excess capacity and strictly prohibit new production capacity. This series of measures will help the cement industry to eliminate obsolete capacity as well as strengthen the prevention and control of pollution. In March 2020, the National Development and Reform Commission, the Ministry of Natural Resources, the Ministry of Industry and Information Technology, and the Ministry of Ecology and Environment jointly issued the "Guiding Opinions on Promoting the Healthy and Orderly Development of the Sand and Stone Industry"(), which encouraged and supported the comprehensive utilization of waste rock, slag, and tailings and other gravel resources to achieve "turning waste into treasure".
Persistent supply-side structural reform	At present, the problem of serious overcapacity in the cement industry has not been fundamentally resolved, and structural contradictions still exist. Supply-side structural reform is and will continue to be the key to the sustainable and healthy development of the cement industry. Policies and measures such as the Five-Year) period.
3 Adoption of information and energy conservation technologies in cement production	Cement construction materials manufacturers are increasingly adopting information and energy conservation technology to support automation and process control, reduce fuel consumption, increase production, and improve product quality. For instance, in the production processes, since cement plant equipment and processes can be monitored digitally with information technology, manufacturers are enabled to make quicker and smarter decisions on when to repair or maintain equipment based on unique data, which will ultimately increase the productivity by reducing downtime, as well as reduce environmental footprint by optimising processes in cement production. Besides energy conservation technology such as NSP(New dry process) technology can reduce the consumption of coal and energy during the manufacturing process of clinker.

Risks and challenges of the construction materials industry in the PRC

-The main challenges of the PRC ready-mixed concrete industry include the rising upstream raw materials price, the fluctuation of energy cost, the fluctuation of cement price, and the tightening supervision on the production process

_	Risks and challenges	Key Analysis
	Rising upstream raw materials price	Due to the intensification of environmental protection, a large number of cement, sand and stone manufacturers that fail to meet the environmental protection requirements have been forced to shut down or rectify. The upstream supply of raw materials presents a certain degree of shrinkage, leading to the short-term shortage of aggregates in many regions of the PRC. The prices of raw materials may fluctuate from time to time as a result of various factors, such as fluctuations in commodity prices and changes in government policies. Besides, many sand and stone manufacturers have suspended or limited production under intensified environmental supervision. In the future, with the rising price of raw materials, the tight supply and the high cost of the construction materials industry is expected to continue, which will exert certain impacts on the construction materials manufacturers.
2	Fluctuation of energy cost	Coal and electricity are used as the power sources in cement production, which together account for about 53% of the total production costs. Therefore, fluctuation in coal and electricity costs represents one of the significant causes of volatility in the cost of cement production. Therefore, the substantial fluctuation of coal price and electricity poses one of the principal potential risks and uncertainties affecting the performance of the cement manufacturers.
2		
	Fluctuation of cement price	The prices of cement price may fluctuate from time to time due to the change in the policies and regulations, as well as the supply and demand. Since the second half of 2016, cement enterprises have realised synergistic prices rising through restricting and stopping production at the supply side. At the end of 2017, the cement price index increased by over 40% compared to that at the beginning of the year. The uncertainty in the change of cement price will influence the profitability of cement manufacturers.
4		
	Tightening supervision on the production process	Since 2018, in response to Resolutely Fighting for Pollution Prevention and Control) issued by the State Council, many provinces and cities have carried out special rectification activities for construction materials manufacturers, requiring to strictly control the production processes, remediate and close the batching plants that fail to meet the standards and seriously pollute the environment, further alleviating air pollution and improving project quality. In the next few years, these remediation measures will have a certain impact on the production capacity and production volume of the construction materials industry, but will make the production of construction materials greener and more standardised on the other hand.

Impact of the Novel Coronavirus on the construction materials industry

An outbreak of respiratory illness caused by a novel coronavirus (COVID-19 virus) first emerged in Wuhan city, Hubei province, China in late 2019 and which continues to expand within mainland China and globally. The new strain of coronavirus is considered highly contagious and may pose a serious public health threat. The World Health Organization is closely monitoring and evaluating the situation. The WHO has declared the outbreak of novel coronavirus (COVID-19 virus) a Public Health Emergency of International Concern (PHEIC).

The PRC government announced on 23 January 2020 the lockdown of Wuhan city in an attempt to quarantine the city. Furthermore, several measures have been introduced by the Chinese government including suspension of outbound public transport of multiple cities in Hubei Province, postpone of starting date for work nationwide, cancellation of public activities during the holiday, etc. These measures are likely to adversely affect industries such as transportation, infrastructure and construction construction, real estate industries.

Given that the downstream industries of construction material industry are construction, real estate, etc., the impact of COVID-19 virus on these industries will affect the demand for construction materials. The direct impact on construction has meant the halting of work with labour unable to get to sites or because of disruption in the delivery of key materials and equipment. Besides, the capital liquidity crunch is one of the main issues that negatively affect the property and construction sectors. Since demand for construction work may decline due to the massive slump in sales and profits, many companies may decide to reduce office floor space in order to reduce rental costs. The reduced cash inflow to property developers will cut off their investment to the property and construction market, and may even delay or cancel their projects. The pandemic delayed demand from the downstream industries caused pressure on the construction materials industry in the first quarter of 2020. However, it was the off-season when the pandemic broke out and hence its impact for the whole year is expected to be limited.

Faced with severe impact of the novel coronavirus epidemic, the Chinese government has introduced a series of proactive fiscal and monetary policies, such as issuing epidemic-aiding treasury, as a way to promote continuous economic recovery and high-quality development. Stimulated by the policies, indicators related to cement demand picked up: 1) The gross output value of the construction industry 2020 reached RMB26,394.7 billion, with an growth rate of 6.2%; 2) The investment in the real estate development 2020 increased to RMB14,144.3 billion, by a growth rate of 7.0% 3) The cement production volume 2020 was 2,395 billion tonnes, while the clinker production volume 2020 was 1.579 billion tonnes, increased by 2.2% and 3.7%, respectively.

According to the World Economic Outlook published by the International Monetary Fund the real GDP growth in China was 2.3% in 2020, which is significant lower compared to that in 2019 due to the impact of COVID-19 pandemic. However, with the effective measures implemented by the PRC government to restrain the further spread of COVID-19 and to revitalize the economy, it is projected that the real GDP growth will reach 8.4% in 2021.

3. Competitive landscape of the concrete market in the PRC



Competitive analysis of the cement market in terms of revenue in China

- The Company is one of the leading market player in the cement market in China and ranked the fifth among all cement manufacturers in terms of operating income generated from cement business

Ranking of top five cement manufacturers in terms of operating income generated from cement business in China, 2020

Rank	<u>Manufacturer</u>	Revenue generated from cement business (RMB billion)	Market share
1	China National Building Material Co., Ltd.	109.0	13.0%
 2	Anhui Conch Cement Co., Ltd.	94.4	11.2%
 3	China Resources Cement Holdings Ltd.	29.0	3.5%
 4	Tangshan Jidong Cement Co., Ltd.	27.7	3.3%
5	The Company	21.9	2.6%
 	<u>Subtotal</u>	282.0	33.6%
 	<u>Others</u>	558.4	66.4%
 	<u>Total</u>	840.4	100.0%

The cement industry in China is relatively concentrated with top 5 cement manufacturers accounting for 33.6% of market share in terms of revenue generated from cement business in China, and almost all leading cement manufacturers are listed companies. In 2020, the Company generated approximately RMB21.9 billion of revenue from its cement business and was ranked fifth among the leading Chinese cement manufacturers in terms of revenue.

Besides, as of December, 2020, there were a total number of nine production lines for cement and clinker in Tibet, three of which were owned by the Company and two of which were owned by the company that the Company invested.

Based on our industry knowledge, we believe that the use of other distributors for sales of products is generally in line with industry practice.

t has adopted policies that are designed to accelerate the

consolidation of the cement industry, promote modernization and improve energy-efficiency and environmental friendliness. From 2013 to 2020, the number of cement companies decreased from approximately 3,800 to 2,800 since many leading players have taken actions in mergers and reorganization. As large-scale state-owned enterprises and leading companies conducted successive M&A activities such as the acquisition of small-and-medium cement manufacturers has reduced industry competition and created operational synergies, allowing leading market players to further dominate the cement industry. The M&A trend is expected to continue as the structural adjustments of cement industry will continue and backward production capacity will be gradually phase out.

The company have become one of the benchmark companies for utilizing digitalization in the cement industry in China and we embrace the trend of applying new information technologies and systems throughout our business operations.

Note: The leading five manufacturers are all listed companies; The operating income figures generated from the cement business in China in

2020 for the top 5 manufacturers (except for the Company) were estimated by CIC based on their annual reports, industry public articles and other reputable adjusting for certain factors and Source: China Cement Net, China Insights Consultancy 40

changes, certain margin of error or bias cannot be excluded, which may cause this ranking result not being absolute or unique.

Overview of the top five cement manufacturers in terms of revenue generated from cement business in China

Manufacturer	Time of establishment	Headquarter	Focused regions and countries		Listing status
China National Building	1984	Beijing	East China, Northeast China, Southwest China and South Central China	The largest manufacturer for building materials and an integrated service	Listed
Material Co., Ltd.		, ,	Germany, India, Mongolia and Africa	provider leading throughout the world	
Anhui Conch Cement Co., Ltd.	1997	Anhui	East China, South China and West China	A large state-owned cement and clinker manufacturer.	Listed
於 舉題水泥 CR CEMENT			Nationwide, focusing on Guangdong, Guangxi, Fujian,	Subsidiary of China Resources Co., Ltd.	
China Resources Cement Holdings Ltd.	2003	Guangxi	Hainan, Yunnan, Guizhou, Shanxi, Inner Mongolia and Hong Kong	A large-scale and state-owned cement, clinker and concrete producer in Southern China	Listed
Tangshan Jidong Cement Co., Ltd.	1994	Beijing	Nationwide, focusing on Beijing, Tianjin, Hebei, Liaoning, Jilin, Inner Mongolia and Shaanxi	The largest state-owned cement manufacturer in northern China	Listed
C 崔意张源			Nationwide, focusing on	One of the earliest enterprises in the	
The Company	1907	Hubei	Central China, Southwest China Tajikistan and Cambodia	The first A&B-share listed company in the China's building materials industry	Listed

The cement industry in China is relatively concentrated, characterized by an overall national over-production capacity issue with varying degree across different regions.

Some of the

etitive pricing or

greater financial, technical or marketing resources than the Company does.

Due to the continuing overcapacity in the cement industry in recent years and increasingly fierce market competition, we bear the risk of business concentration and our profitability and business operations may be adversely affected if any adverse changes occur in the cement industry in the PRC.

The gross profit margin of our aggregate segment decreased from 66.5% in the six months ended June 30, 2020 to 63.5% in the six months ended June 30, 2021, mainly due to the increased operating costs of expenses in relation to outsourcing activities for mining, partially offset



Ranking of top five cement manufacturers in terms of production capacity of the clinker, central China, 2020

Competitive analysis of the cement market in terms of cement production volume in China

- The Company is a leading cement manufacturer in China, which ranked fifth in terms of cement production volume in China

Ranking of top five Chinese cement manufacturers in terms of cement production volume, China, 2020

Rank	<u>Manufacturer</u>		Production volume of cement in China (million tonnes)	Market share
1		China National Building Materials Group Corporation	352.7	14.7%
2	Anhui Conch Cement Co., Ltd.		290.3	12.1%
3		Tangshan Jidong Cement Co., Ltd.	94.6	4.0%
4		China Resources Cement Holdings Ltd.	90.8	3.8%
5	送 證楽羅	The Company	68.1	2.8%
		Subtotal	896.5	37.4%
		Others	1,498.3	62.6%
		Total	2,394.8	100.0%

Note: The leading five manufacturers are all listed companies. The Production volume of cement in China in 2020 for the top 5 manufacturers (except for the Company) were HVWLPDWHGE\&,&EDVHGRQWKHLUDQQXDOUHSRUWVLQGXVWU\SXEeOactRhadswill bliveOshty and DcOropleRity/of the scolder SXWDEOH involves adjusting for certain factors and changes, certain margin of error or bias cannot be excluded, which may cause this ranking result not being absolute or unique.

Ranking of top five Chinese cement manufacturers in terms of cement production capacity, China, 2020

Rank	<u>Manufacturer</u>		Production volume of cement in China (million tonnes)	Market share
1	Q	China National Building Materials Group Corporation	501.4	16.2%
2	<u>coNc</u>	Anhui Conch Cement Co., Ltd.	361.9	11.7%
3		Tangshan Jidong Cement Co., Ltd.	170.0	5.5%
4		China Resources Cement Holdings Ltd.	105.7	3.4%
5	。 王章张潘	The Company	105.6	3.4%
		Subtotal	1,244.6	40.2%
		Others	1,846.3	59,8%
		Total	3,090.9	100.0%

Note:

Competitive analysis of the clinker market in central China

- The Company is a leading market player in the cement market in central China and ranked the first among all cement manufacturers in terms of operating income generated from cement business in central China

Ranking of top five cement manufacturers in terms of operating income generated from cement business, central China, 2020

	123.0		Rank	Manufacturer	Production capacity (million tonnes)	Market share
Top five manufacturers	27.4%		1	The Company	8.5	6.9%
			2	China United Cement Corporation*	7.8	6.3%
	72.6%	-	3	Tianrui Cement Group Co., Ltd.	6.0	4.9%
Others			4	South Cement Co., Ltd.*	5.9	4.8%
			5	Anhui Conch Cement Co., Ltd.	5.5	4.5%
		```		Sub-total	33.7	27.4%
Total production value of cement in central China in 2020			Others	89.3	72.6%	
				Total	123.0	100.0%

Note 1: China United Cement Corporation and South Cement Co., Ltd both are subsidiaries of the China National Building Materials Group Corporation Note 2: Central China includes Henan Province, Hubei Province and Hunan Province.

The total market size of cement in terms of production value in central China was RMB123.0 billion in 2020, accounting for 14.6% of total cement production value in China. The cement industry in central China is relatively concentrated with the top five manufacturers accounting for 28.9% of the market share. The Company was the largest manufacturer in central China with an operating income generated from cement business of RMB8.5 billion, accounting for approximately 6.9% of the total market

Note: The operating income figures generated from the cement business in central China in 2020 for the top 5 manufacturers (except for the Company) were estimated by CIC based on their annual UHSRUWV LQGXVWU\SXEOLF DUWLFOHV DQG RWKHU UHSXWDEOH WKLUG SDUW to the fact that such diversity and complexity of the scope involves adjusting for certain factors and changes, certain margin of error or bias cannot be excluded, which may cause this ranking result not being Source: CCA, China Cement Net, China Insights Consultancy 54

# Competitive analysis of the cement market in terms of cement production capacity in central China

- The Company is a leading cement manufacturer in China, which ranked first in terms of cement production capacity in central China

Ranking of top five Chinese cement manufacturers in terms of cement production capacity, central China, 2020

Rank	<u>Manufacturer</u>	Production volume of cement in China (million tonnes)	Market share
1	The Company	57.8	14.3%
2	Tianrui Cement Group Co., Ltd.	38.0	9.4%
3	Anhui Conch Cement Co., Ltd.	36.6	9.1%
4	South Cement Co., Ltd.	32.5	8.1%
5	China United Cement Corporation	31.8	7.9%
	Subtotal	196.7	48.8%
	Others	206.8	51.2%
	Total	403.5	100.0%

Note: The production capacity of cement in central China in 2020 for the top 5 manufacturers (except for the Company) were estimated by CIC based on their annual reports, LQGXVWU\SXEOLF DUWLFOHV DQG RWKHU UHSXWDEOH WKLUG SDUW\µ \$coperint/blves+adjustixg+for/blertain/lfactors/anef blanbjes,DW VXFK certain margin of error or bias cannot be excluded, which may cause this ranking result not being absolute or unique.

# Competitive analysis of the cement market in terms of cement production capacity in central China

- The Company is a leading cement manufacturer in China, which ranked first in terms of cement production volume in central China

Ranking of top five Chinese cement manufacturers in terms of cement production volume, central China, 2020

Rank	<u>Manufacturer</u>	Production volume of cement in China (million tonnes)	Market share
1	The Company	33.6	10.2%
2	Tianrui Cement Group Co., Ltd.	24.7	8.1%
3	Anhui Conch Cement Co., Ltd.	24.3	7.4%
4	South Cement Co., Ltd.	24.0	7.3%
5	China United Cement Corporation	18.5	5.6%
	Subtotal	127.1	38.6%
	Others	202.0	61.4%
	Total	329.1	100.0%

Note: The production capacity of cement in central China in 2020 for the top 5 manufacturers (except for the Company) were estimated by CIC based on their annual reports, LQGXVWU\SXEOLF DUWLFOHV DQG RWKHU UHSXWDEOH WKLUG SDUW\µ \$CopeRinvolvesHadijustikgHorveeRialMfactors and the certain margin of error or bias cannot be excluded, which may cause this ranking result not being absolute or unique.

name	Time of establishment	Headquarte	Focused regions and countries		Listing status
The Company	1907	1907 Hubei Central China, Tajikistan and Cambodia company in the C		One of the earliest enterprises The first A&B-share listed company in the China's building materials industry	Listed
China United Cement Corporation	1999	Beijing	Nationwide, focusing on Shandong, Jiangsu, Henan, Hebei, Anhui, Shanxi, Inner Mongolia, Sichuan and Beijing	Subsidiary of China National Building Materials Group Corporation A large state-owned cement enterprise group	Listed
Tianrui Cement Group Co., Ltd.	2000	Henan	Nationwide, focusing on Henan, Liaoning, Anhui and Tianjin	Subsidiary of Tianrui Group Co., Ltd. A large cement manufacturer	Listed

Rank	Manufacturer	Time of establishment	Headquarte rs' location	Production capacity (million tonnes)	Market share	
						One of the earliest enterprises in
1	The Company	1907	Hubei	24.8	37.5%	the first A&B-share listed company in the building materials industry
2	China Gezhouba Group Cement Co., Ltd.	2011	Hubei	14.9	22.5%	Subsidiary of China Gezhouba Group Co., Ltd. and is known as "China's granary"
3	Asia Cement (China) Holdings Corporation	2004	Hong Kong	5.3	8.0%	A large cement and clinker manufacturer
4	Hubei Jinglan Group	2005	Hubei	4.0	6.1%	A large state-owned cement and clinker manufacturer
5	Shiji Xinfeng Leishan Cement (Group) Co., Ltd.	2003	Hubei	2.9	4.4%	A cement and clinker manufacturer with 50 years of cement production history
	Sub					

58 Oneorvh(i)53(ou) TJETQ EMC /Span <</MCID 11/9ang (en-US)>> BDC g362.28 34087 T25.76 92.52 reW* nBT/F3 11.04 Tf1 0 0 1 460.37 324152 Tm0 g0 G/G)

# Competitive analysis of the clinker market in Yunnan Province

- The Company is a leading market player in the cement market in Yunnan Province and ranked the second among all cement manufacturers in terms of production capacity of the clinker

Ranking of top five cement manufacturers in terms of production capacity of the clinker, Yunnan Province, 2020

Rank	Manufacturer	Time of establishment	Headquarter s' location	Production capacity (million tonnes)	Market share	
1	Southwest Cement Co., Ltd.	2011	Sichuan	17.0	17.8%	A subsidiary of the China National Building Materials Group Corporation
	The Company	1907	Hubei	12.6	13.2%	One of the earliest enterprises in the
2						A&B-share listed company in the building materials industry
3	Yunnan Cement Co., Ltd.	2008	Yunnan	10.4	10.9%	A cement and clinker manufacturer
4	Hongshi Cement Co., Ltd.	2002	Zhejiang	7.9	8.3%	Subsidiary of Hongshi Holding Group Co., Ltd A large cement manufacturer
5			Anhui	7.6	7.9%	A large state-owned cement and clinker manufacturer
	Sub-total			55.5	58.1%	
	Others			40.2	41.9%	
	Total			95.7	100.0%	

The company primarily operate in the central and northwestern parts of Yunnan province, which is the largest regional cement market in Yunnan with convenient logistics infrastructures.

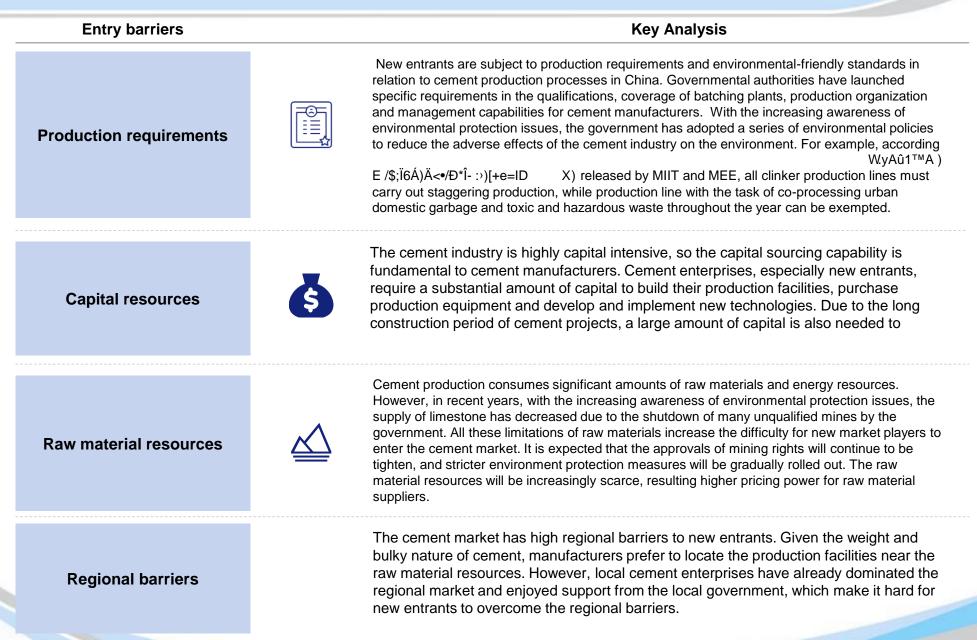
The clinker industry in Yunnan Province is concentrated, with the top five cement manufacturers accounting for 58.1% of the market share in terms of annual production capacity of the clinker in 2020.

In 2020, the Company was the second largest cement manufacturer in Yunnan Province with annual production capacity of the clinker of 12.6 million tonnes in the clinker market, accounting for approximately 13.2% of the total market.

For the same period, as a leading market player in the local cement market in Yunnan province, we ranked second among all cement manufacturers in terms of annual production capacity of the clinker with a total share market of 13.2%.

### Entry barriers of cement market in China

- Major entry barriers of cement industry include production requirement, capital resource, raw material resource and regional barriers



# Key success factors of cement market in China

- Achievement of economies of scale, leading production and market layout, extension of industry chain and brand reputation are essential for remaining competitive in this market

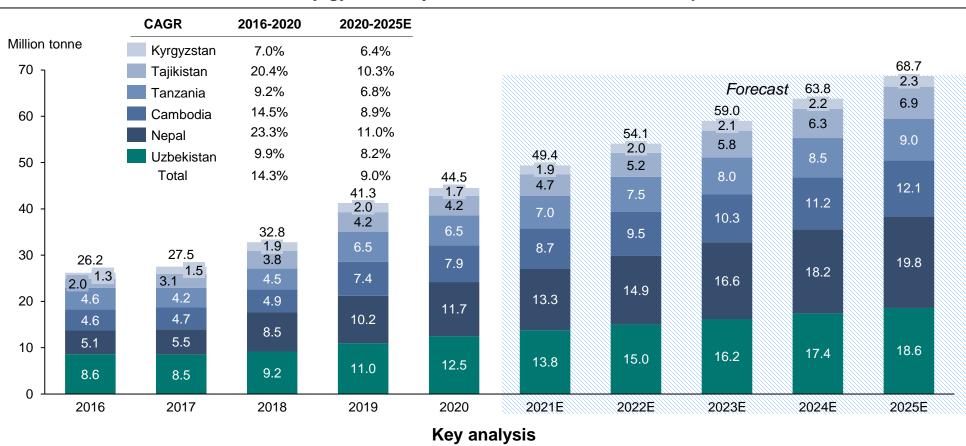
Key success factors		Key Analysis					
	Achievement of economies of scale	Achievement of economies of scale plays a key role for cement manufacturers in maintaining their competitiveness in the cement market. Leading players in cement market in China are all large cement producers in terms of production capacity in the region where they are located. They achieve such economies of scale through continuous technological upgrade or acquisitions. With economies of scale, cement manufacturers can obtain the cost advantage over small enterprises and be more capable of researching and developing new technologies, so that they can rapidly expand their production capacity by constructing more cement production lines and improve production efficiency in order to hold the key to success.					
	Leading production and market layout	Leading cement manufacturers tend to have a leading production and market layout. Their target markets are among the fastest growing economic areas in China with rapid industrialization and urbanization development. Leading players are such well positioned that they are able to capture growth opportunities in the cement and construction industry. In addition, production facilities of key market players are mainly located near the raw material resources. Considering the weight and bulky nature of cement, convenient access to resources can save a huge amount of transportation cost and improve the production efficiency of these market leaders.					
	Extension of industry chain	Large cement enterprises are now exploring opportunities for the extension of cement industry chain in the regions where they have business operation. Through the development of concrete, aggregates, and other cement production related business, leading cement manufacturers can leverage on the synergetic advantages of them, promote the integration of industrial development and further consolidate their core competitive advantages.					
	Brand reputation and wide client base	Large cement manufacturers enjoy high brand reputation in the industry. Such reputation is usually built up through high quality cement products and services and increasing market shares in the cement markets. Manufacturers with high brand reputation could accumulate loyal and stable client bases, and also could have access to receive government and policy support by conducting high-profile construction and infrastructure projects. Besides, adoption of distributor network is a common practice in China for large cement players to reach a wider retailer customer base in an effective way.					

4. Analysis of the export market for major construction material market in the PRC



# Production volume of cement in the selected developing countries

-The developing economy and the increasing urbanisation and industrialisation of the selected developing countries propel the demand for construction materials, with increasing production volume of cement; the production volume of the five selected developing countries reached 44.5 million tonnes in 2020



Production volume of cement, Kyrgyzstan, Tajikistan, Tanzania, Cambodia, Nepal, Uzbekistan, 2016-2025E

Kyrgyzstan, Tajikistan, Tanzania, Cambodia, Nepal and Uzbekistan produced a total of 44.5 mt of cement in 2020. Specifically, production volume of cement in Tajikistan and Nepal experienced higher growth rate during the past few years, with a CAGR of 20.4% and 23.3% between 2016 and 2020, respectively.. In comparison, the grow rate of cement production volume in Kyrgyzstan experienced relatively lower growth rate.

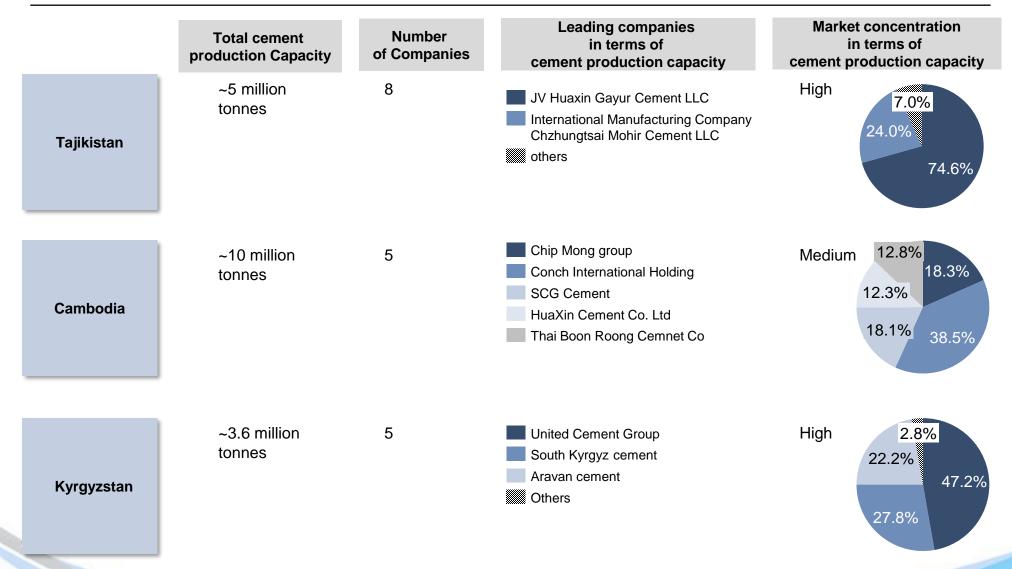
Rapidly developing economy, as well as the increasing urbanisation and industrialisation of the selected developing countries, fuel the demand growth for construction materials, especially cement. It is expected that by 2025, the total production volume of cement in Kyrgyzstan, Tajikistan, Tanzania, Cambodia, Nepal and Uzbekistan will reach 68.7 million tonnes, with a CAGR of 9.0% between 2020 and 2025.

Competitive analysis in the selected developing countries

# Competitive analysis of the cement market in terms of production capacity in the selected developing countries(1/2)

- Among all the selected developing countries, Tajikistan and Kyrgyzstan have relatively high market concentration, while Nepal has lower market concentration and largest number of market players

Competitive analysis of the cement market in terms of production capacity, Tajikistan, Cambodia, Kyrgyzstan, 2020

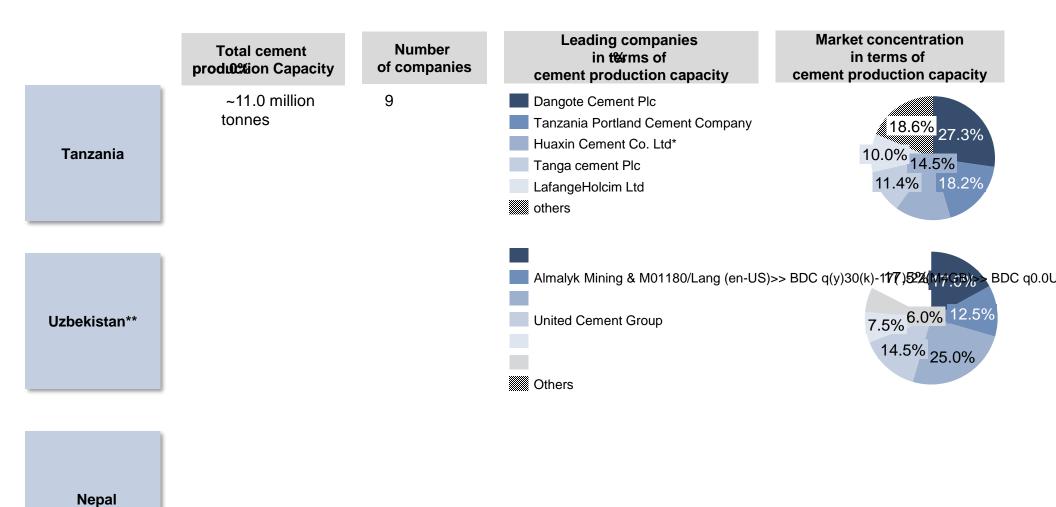


Source: CemNet, Global Cement, China Insights Consultancy 64

Compet@%e analysis in the%elected developing countries

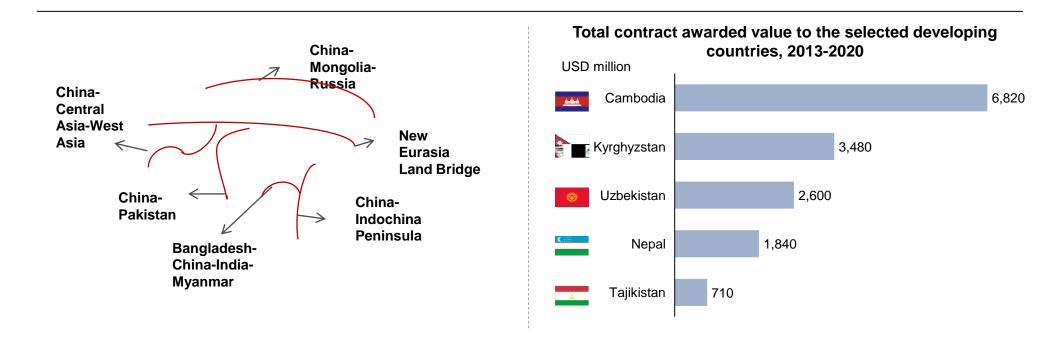
# Competitive analysis of the cement market in terms of production capacity in the selected developing countries(2/2)

- Among all the selected developing countries, Tajikistan and Kyrgyzstan have relatively high market concentration, while Nepal has lower market concentration and largest number of market players



Source: CemNet, Glauxal Cemera, China Insights Consultancy 65

Road countries, which will benefit the construction materials manufacturers given that the contracts for infrastructure construction will bring the demand



The and Road also known as the Silk Road Economic Belt and the 21st-century Maritime Silk Road, was first unveiled by President of the PRC Xi Jinping in September 2013.

In March 2015, the National Development and Reform Commission, the Ministry of Foreign Affairs, and Ministry of Commerce of the PRC jointly issued the and Actions on Jointly construction Silk Road Economic Belt and 21st-Century Maritime Silk (21

). It pointed out that on land, the Initiative will focus on jointly construction economic corridors by taking advantage of international transport routes, relying on core cities along the Belt and Road; At sea, the Initiative will focus on jointly construction smooth, secure and efficient transport routes connecting major sea ports along the Belt and Road. Besides, Central Asia is the privileged corridor for both Europe and Asia at the heart of the New Silk Roads, as the Chinese-led BRI converges with the Russia-led Eurasian Economic Union (EAEU).

Since 2013, the total contract awarded from the PRC to Belt and Road countries exceeded USD473.9 billion. The and Road related projects in Asia are mainly undertaken by large-scale Chinese-funded infrastructure enterprises, such as CR, China Communications Construction, and the Company. Among the selected developing countries, Cambodia has earned the largest contract awarded value since 2013, with a total value of USD6,820 million. The contracts signed with these countries in infrastructure construction will bring the demand for construction materials, and benefit the construction materials companies that have business in those countries.

Source: China Insights Consultancy 66

# Infrastructure construction projects in the selected developing countries

### undertake the construction projects in the selected developing countries with a global expansion

#### Reserve of infrastructure construction projects in the selected developing countries

Туре	Name	Location	Investment	Schedule	Target	Content
Expressway	Phnom Penh- Sihanoukville Expressway	Cambodia	Approximately USD2.0 billion	Started from 2019	190 km in length	Funded by the China Road and Bridge Corporation, the new expressway will act as an efficient link between the capital city Phnom Penh and the coastal city Sihanoukville
Deihueu	Birgunj-Kathmandu and Rasuwagadhi- Kathmandu Railway	Nepal, India, the PRC	Approximately USD7-8 billion	Preliminary preparation	287 km in length	The project aims to connect Kathmandu to both India and China by railways
Railway	Xinjiang- Persian Gulf Railway	the PRC, Kyrgyzstan, Tajikistan	Approximately USD2.5 billion	Preliminary preparation	150 km in length	Railway from Xinjiang to the Persian Gulf would require the construction of a rather long section through Tajikistan to connect the Vakhdat station east of Dushanbe with Karomik at the Tajik Kyrgyz border
	Dushanbe- Uzbekistan Border Road Improvement	Tajikistan	Approximately USD109.5 million	Started from 2016	5 km in length	The project is part of a stretch of road connecting Dushanbe to the border with Uzbekistan
Road	Alternative North- South road	Kyrgyzstan	Approximately USD297.0 million	Started from 2016	Include a tunnel that is 0.7 km long and two bridges	Funded by Exim Bank of China and the Government of the PRC, an additional uninterrupted transport route will be established between the north and south of the country
A	New International Airport of Siem Reap	Cambodia	Approximately USD880.0 million	Started from 2020	Covering 700 hectares	The airport is expected to receive 7 million passengers annually, once the first phase of the new airport is completed
Airport	New International Airport of Phnom Penh	Cambodia	Approximately USD1.5 billion	Started from 2019	Covering 2600 hectares	The airport will be able to accommodate 27 million passengers by 2030, and up to 30 million by 2050
Urban construction and development	Metropolitan Ring around Tashkent City	Uzbekistan	Approximately USD60.5 million	Started from 2017	52.1 km in length	Provide a new, and fourth, metro line in Sergeli district, where more than 152,000 people live

of construction materials

# Drivers of construction materials market in the selected developing countries

-The drivers for entering the construction materials market of the selected developing countries include

technology and supply capacity advantages, and the stable cooperation relationship with Chinese-funded large-scale infrastructure enterprises

Drivers	Description				
<b>1</b> Growing demand for infrastructure construction in Asia	The infrastructure construction in the selected developing countries is relatively backward, especially in Tajikistan, Kyrgyzstan, Uzbekistan and Cambodia, leaving a large space for further enhancement. As a result, the Governments of these Asian countries have successively proposed short-term and long-term infrastructure development plans to set development goals for their infrastructure construction. For example, the Government of Cambodia has proposed that in the next few years, Phnom Penh-Sihanoukville Expressway, new International Airport of Siem Reap and new International Airport of Phnom Penh will be established to improve the infrastructure in Cambodia.				
III ASId	Therefore, it is expected that in the next few years, the selected developing countries will accelerate the development of road construction, water conservancy construction, housing construction, urban construction, etc. The downstream ends will further stimulate the demand for construction materials and drive the development of construction materials industry in the selected developing countries.				
2	Belt and Road Initiative -funded enterprises have entered into the Asian market, and many large-scale construction projects have been carried out in the infrastructure field. By the end of 2019, the number of overseas EPC projects of Chinese-funded enterprises has exceeded 3				
	Chinese-funded enterprises have abundant reserves in the selected developing countries, including highway construction, railway construction, water conservancy construction, urban construction and development, and energy projects. It is expected that with Belt and Road Initiative construction materials in the selected developing countries will maintain an upward trend in the next few years.				
<b>3</b> Technology and supply capacity advantages of the PRC construction	Most of construction materials enterprises Belt and Road Initiative Asia are leaders in the domestic construction materials industry of the PRC. These enterprises have rich experience in the construction materials market, with outstanding product quality and advanced production technology. Therefore, Chinese-funded construction materials manufacturers obtain great advantages in production technology and product quality compared with local manufacturers after entering the construction materials market of the selected developing countries.				
materials enterprises	Meanwhile, rich experiences in participating in long-term large-scale projects of the PRC construction materials manufacturers enable them to effectively plan the production capacity and production line layout in large-scale projects in Asia, achieving long-term stable supply of construction materials.				
4 Stable cooperation relationship with Chinese- funded large-scale	Belt and Road Initiative lated projects in the selected developing countries are mainly undertaken by large-scale Chinese- funded infrastructure enterprises. The leading construction materials manufacturers have established stable long-term cooperation relationships with those large-scale infrastructure enterprises, and have accumulated cooperation experiences in terms of type of product, supply quality, capacity coordination, concrete transportation, etc. Therefore, these domestic construction materials				
infrastructure enterprises	manufacturers are able to maintain stable cooperation with the large-scale Chinese-funded infrastructure enterprises in the supply				

Belt and Road Initiative

# Future Trends and challenges of construction materials industry in the selected developing countries

- The key future trends and challenges of construction materials industry in Cambodia, Nepal and Central Asian countries include political stasis and security issues, personnel and equipment management and integration trend in Central Asia

### Trends and challenges



### Key Analysis

The Central Asian countries face common security challenges from crime, corruption, and terrorism for a long time. In 2018, Kyrgyzstan saw corruption trials against senior officials regarding Chinese energy contracts and the end of exemption from prosecution for former presidents. The uncertainty of political stasis in Central Asia may negatively affect the economy, foreign direct investment as well as the construction materials industry in these countries. However, policies and regulations are rolling out by the government in these countries to eliminate political issues, which will alleviate the influence to the construction materials industry and foreign investment.

Due to the limited development of the cement industry in the selected developing countries, It is necessary for the new Chinese entrants to send a sufficient number of professional engineers from the PRC to fill key positions, in order to ensure the overall quality of the project. Meanwhile, they can recruit local workers for basic positions, but need to do targeted training for them to meet project quality requirements. The key equipment for the production, including the maintenance equipment and parts used for maintenance, may need to be deployed by road or by sea from the PRC, which brings a certain delay in deployment time, and challenges the project schedule and cost of construction materials manufacturers.

Central Asia countries are seeking regionalism and integration for a long time. In

in Tashkent, Uzbekistan. A wide range of issues and suggestions about regional development including facilitating bilateral and multifaceted transactions were discussed.

The regional integration and corporation may boost the import and export of Central Asian Countries as well as the economy and infrastructure construction, resulting a higher demand for construction materials.

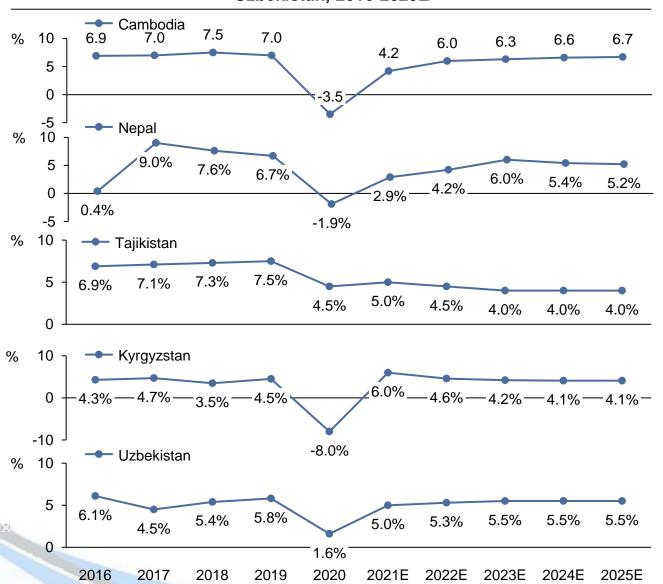
5. Macroeconomic and social development of the selected developing countries



### Real GDP growth rate in the selected developing countries

-The selected developing countries have experienced high real GDP growth rate over the past few years, except for 2020 due to the impact of the coronavirus(COVID-19) pandemic will further enhance the infrastructure construction, providing the impetus for sustainable economic development

### Real GDP growth rate, Cambodia, Nepal, Tajikistan, Kyrgyzstan, Uzbekistan, 2016-2025E



### Key analysis

Kyrgyzstan, Tajikistan, and Uzbekistan are located in Central Asia, a region that stretches from the Caspian Sea in the west to China and Mongolia in the east, and from Afghanistan and Iran in the south to Russia in the north. Despite that Central Asian countries have experienced high rates of economic growth in recent years, their economies still have huge development space compare to other developing countries.

Central Asia has historically been closely tied to its nomadic peoples and the Silk Road. In 2013, The PRC has put forward the and Road and carried out in-depth cooperation with Central Asian countries, which led the PRC one of the key economic players in Central Asia.

Cambodia and Nepal are located in Southeast and South Asia. The large amount of foreign investment through various economic policies provides the impetus for the economic development of the two countries.

The PRC has invested substantially in infrastructure in the selected developing countries, including expressways, railways, airports, and urban construction development, injecting vitality into the economy of the selected developing countries.

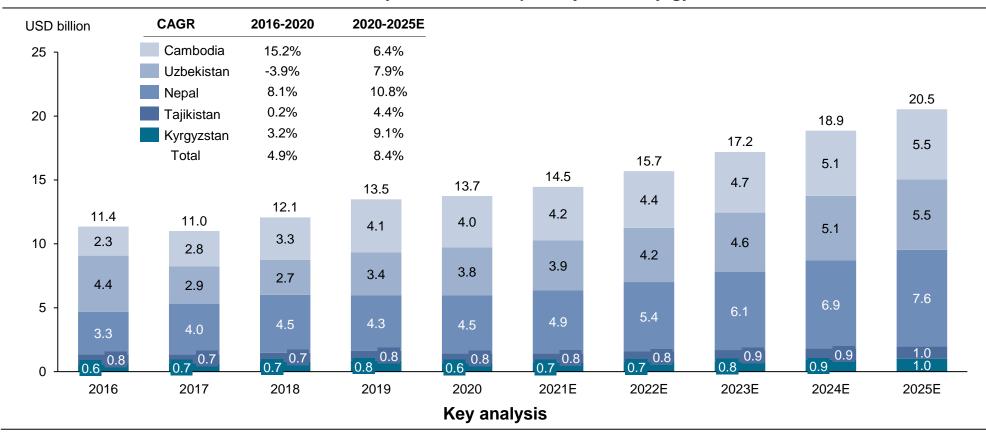
In view of the severe global economic impact of the coronavirus(COVID-19) pandemic, the real GDP growth rates of the selected developing countries fell in 2020 and are expected pick up in 2021, subject to the post-pandemic global economic recovery.

Source: IMF, China Insights Consultancy 71

The urbanisation rate in Nepal, Cambodia, Tajikistan, and Kyrgyzstan are relatively lower and increased steadily between 2016 and 2020. In 2020, the urbanisation rate in Nepal, Cambodia, Tajikistan, and Kyrgyzstan are 20.6%, 24.2%, 27.5%, and 36.9%, respectively. It is expected that with the continuous advancement of infrastructure construction, the urbanisation of Nepal, Cambodia, Tajikistan will continue growing in the future.

The urbanisation rate in Uzbekistan is the highest, compared to the other four countries, with a slight decrease over the past few years. The slowly - trend was mainly driven by a faster growth rate of its rural population. However, most of its cities still experienced fast growth over the past few years, and the urban construction demand is expected to continue to grow.

Compared with other developed ree



### Nominal GDP of the construction industry, Cambodia, Nepal, Tajikistan, Kyrgyzstan, Uzbekistan, 2016-2025E

Source: National Bureau of Statistics of Cambodia, Nepal, Tajikistan, Kyrgyzstan, Uzbekistan, China Insight-21DC q0.00007/362 0 79 6



