

SINGAPORE CONSTRUCTION PROSPECTS 2021

REVIEW OF CONSTRUCTION DEMAND IN 2020

The construction sector in Singapore has experienced a period of relative stability in 2020, with a slight decline in new construction work orders. The sector's performance is closely linked to the overall economic conditions and the government's infrastructure spending. The construction sector's contribution to the GDP is expected to remain stable, with a slight increase in the second half of the year. The construction sector's performance is closely linked to the overall economic conditions and the government's infrastructure spending. The construction sector's contribution to the GDP is expected to remain stable, with a slight increase in the second half of the year.



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Construction demand outlook in 2021

Private Sector

Construction demand outlook in 2021

SAMPLE

CONSTRUCTION DEMAND OUTLOOK IN 2021

Construction demand outlook in 2021

Chart 2: Construction Demand (Contracts Awarded), 1997-2021f



Residential Construction Demand

Public Housing

Public housing construction demand has been relatively stable over the period, with a slight increase in the early 2000s and a decline in the late 2000s. The demand is primarily driven by the need for affordable housing for low-income households. The construction of public housing units has been a steady process, with a focus on maintaining and improving existing stock and adding new units to meet the growing demand.

Private Housing

Private housing construction demand has shown significant growth over the period, particularly in the early 2000s and the late 2000s. The demand is primarily driven by the need for affordable housing for middle-income households. The construction of private housing units has been a steady process, with a focus on maintaining and improving existing stock and adding new units to meet the growing demand.

Commercial Construction Demand



Industrial Construction Demand

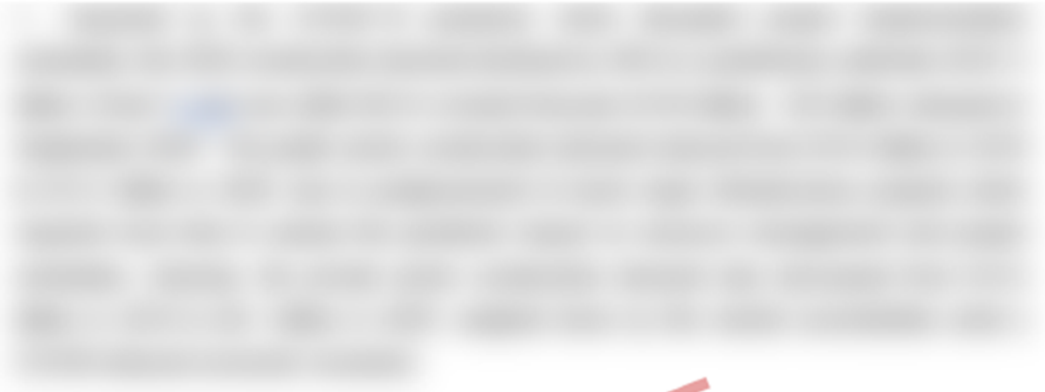


Institutional & Other Building Construction Demand

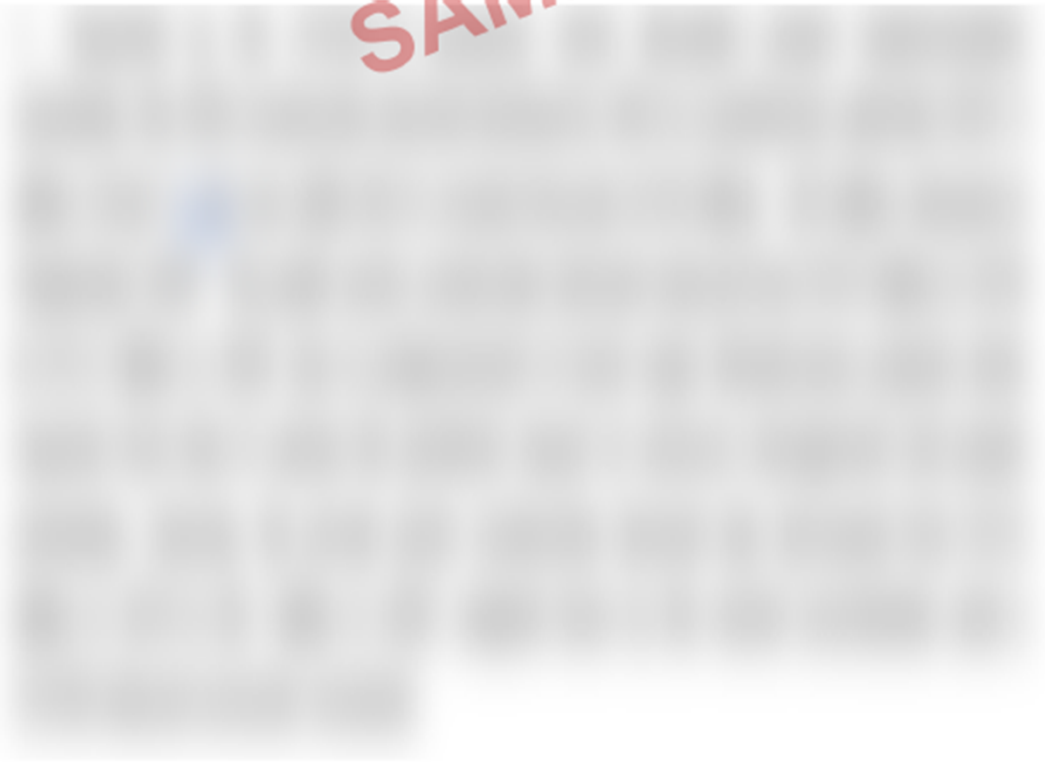




Civil Engineering Construction Demand



CONSTRUCTION OUTLOOK FOR 2022-2025



PIPELINE OF PROJECTS EMPLOYING DESIGN FOR MANUFACTURING & ASSEMBLY (DfMA) TECHNOLOGIES

	1	2	3	4	5	6
Project 1	1	1	1	1	1	1
Project 2	1	1	1	1	1	1
Project 3	1	1	1	1	1	1
Project 4	1	1	1	1	1	1
Project 5	1	1	1	1	1	1
Total Projects	5	5	5	5	5	5
Percentage	100%	100%	100%	100%	100%	100%

IMPACT ON CONSTRUCTION OUTPUT

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Chart 3: Construction Output (Certified Progress Payments), 1997-2020p



KEY CONSTRUCTION MATERIALS

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Ready-Mixed Concrete



Precast Concrete



Reinforcement Bars (Rebars)



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Plant & Equipment

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CONSTRUCTION COSTS

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Chart 4: Annual BCA's Tender Price Index for Building Works, 2010 = 100



CONCLUSION

The tender price index for building works has shown a general upward trend from 2010 to 2020. The index started at 100 in 2010 and reached approximately 135 by 2020. This indicates that the cost of building works has increased significantly over the period. The index also shows some fluctuations, with a notable dip in 2011 and a peak in 2017. The overall trend suggests that the cost of building works has been increasing steadily over the decade.

The tender price index for building works is a key indicator of the cost of construction. It is used by the Building and Construction Authority (BCA) to monitor the cost of building works and to provide information to the public. The index is calculated based on the prices of building materials and labor. The index is published annually by the BCA. The index is a useful tool for understanding the cost of building works and for making decisions about construction projects.

Table 1: Contracts Awarded (Excl. Reclamation) by Sector & Type of Work

	2010	2011	2012	2013	2014	2015	2016
Water	100	100	100	100	100	100	100
Electricity	100	100	100	100	100	100	100
Transport	100	100	100	100	100	100	100
Buildings	100	100	100	100	100	100	100
Manufacturing	100	100	100	100	100	100	100
Information and Communication	100	100	100	100	100	100	100
Health	100	100	100	100	100	100	100
Education	100	100	100	100	100	100	100
Other	100	100	100	100	100	100	100
Total	1000	1000	1000	1000	1000	1000	1000

Table 2: Basic Construction Materials

Concrete		
Material	Unit	Weight (kg)
Concrete	m ³	2400
Reinforcement	kg	7850
Formwork	m ²	15
Gravel	m ³	1600
Sand	m ³	1700
Steel		
Material	Unit	Weight (kg)
Steel	kg	7850
Steel Plate	m ²	78.5
Steel Pipe	m	42.4