MEDIA RELEASE

24 December 2020

Monthly Manufacturing Performance – November 2020

<table>
<thead>
<tr>
<th>Highlights</th>
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<tr>
<td>• On a year-on-year basis, Singapore’s manufacturing output increased 17.9% in November 2020. Excluding biomedical manufacturing, output grew 14.0%.</td>
</tr>
<tr>
<td>• On a seasonally adjusted month-on-month basis, manufacturing output increased 7.2% in November 2020. Excluding biomedical manufacturing, output grew 6.0%.</td>
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</table>

(I) **Total Manufacturing Performance**

1. Singapore’s manufacturing output expanded 17.9% in November 2020 on a year-on-year basis. Excluding biomedical manufacturing, output increased 14.0%. On a three-month moving average basis, manufacturing output grew 13.8% in November 2020, compared to a year ago. On a seasonally adjusted month-on-month basis, manufacturing output increased 7.2%. Excluding biomedical manufacturing, output grew 6.0%.
(II) **Performance by cluster**

2. Biomedical manufacturing: Output grew 40.6% in November 2020 compared to the same period in 2019. The pharmaceuticals segment expanded 50.8% with higher production of active pharmaceutical ingredients and biological products. The medical technology segment grew 22.7% with higher export demand for medical devices. On a year-to-date basis, the biomedical manufacturing cluster grew 26.1%.

3. Electronics: Output increased 34.9% in November 2020 on a year-on-year basis. All segments recorded output growth except infocomms & consumer electronics. In particular, the semiconductor segment grew 40.9%, supported by demand from 5G markets and a low production base from a year ago. Overall, output of the electronics cluster increased 9.3% year-on-year from January to November 2020.

4. Chemicals: Output grew 10.1% year-on-year in November 2020. The petrochemicals segment grew 25.1% from a low base last year due to plant maintenance shutdowns. The specialties segment increased 8.9% with higher production of industrial gases and mineral oil additives. On the other hand, the other chemicals and petroleum segments contracted 2.0% and 31.7% respectively, as demand remained weak amid COVID-19. In the first eleven months of this year, output of the chemicals cluster fell 2.2% compared to the same period in 2019.

5. Precision Engineering: Output increased 7.3% in November 2020 compared to the same period a year ago. The machinery & systems segment grew 9.4% with higher output of semiconductor equipment. The precision modules & components segment rose 2.8% on account of higher production of optical instrument and metal precision components. Overall, the precision engineering cluster grew 10.6% from January to November 2020, compared to the same period a year ago.
6. General manufacturing: Output contracted 13.3% in November 2020 on a year-on-year basis, with all segments recording output declines. The food, beverage & tobacco segment fell 14.0% on account of lower production of beverage products and milk powder. The miscellaneous industries and printing segments declined 10.7% and 19.6% respectively, as the former continued to see weak demand for construction-related products. On a year-to-date basis, output of the general manufacturing industries cluster declined 12.7% compared to the same period a year ago.

7. Transport engineering: Output decreased 29.5% year-on-year in November 2020. The land segment expanded 31.8% with higher output of parts and accessories for motor vehicles. Conversely, the marine & offshore engineering and aerospace segments contracted 33.5% and 38.7% respectively. The levels of activity in the aerospace firms and shipyards remained low as new orders were adversely impacted by travel restrictions and weak global oil & gas market. Overall, the transport engineering cluster fell 25.3% year-on-year from January to November 2020.

8. The next monthly manufacturing performance media release will be issued on 26 January 2021.
About the Singapore Economic Development Board

The Singapore Economic Development Board (EDB), a government agency under the Ministry of Trade and Industry, is responsible for strategies that enhance Singapore’s position as a global centre for business, innovation, and talent. We undertake investment promotion and industry development, and work with international businesses, both foreign and local, by providing information, connection to partners and access to government incentives for their investments. Our mission is to create sustainable economic growth, with vibrant business and good job opportunities for Singapore.

For more information on EDB, please visit www.edb.gov.sg
### TABLE 1 : MANUFACTURING SECTOR GROWTH

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<tr>
<th>Period</th>
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<th>YOY Growth (%) Total Mfg</th>
<th>SA INDEX Total Mfg</th>
<th>SA MOM GROWTH (%) Total Mfg</th>
<th>SA INDEX Total Mfg excl Biomedical Mfg</th>
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Note:
- Preliminary
- Non seasonally adjusted index
- Month-on-month
- Year-on-year

Singapore Economic Development Board
250 North Bridge Road #28-00 Raffles City Tower Singapore 179101
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* Preliminary
### TABLE 3: MONTHLY INDEX OF INDUSTRIAL PRODUCTION BY INDUSTRY CLUSTER, NOVEMBER 2018 TO NOVEMBER 2020

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250 North Bridge Road #28-00 Raffles City Tower Singapore 179101
Tel 65 6832 6832 Fax 65 6832 6566
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* Preliminary