

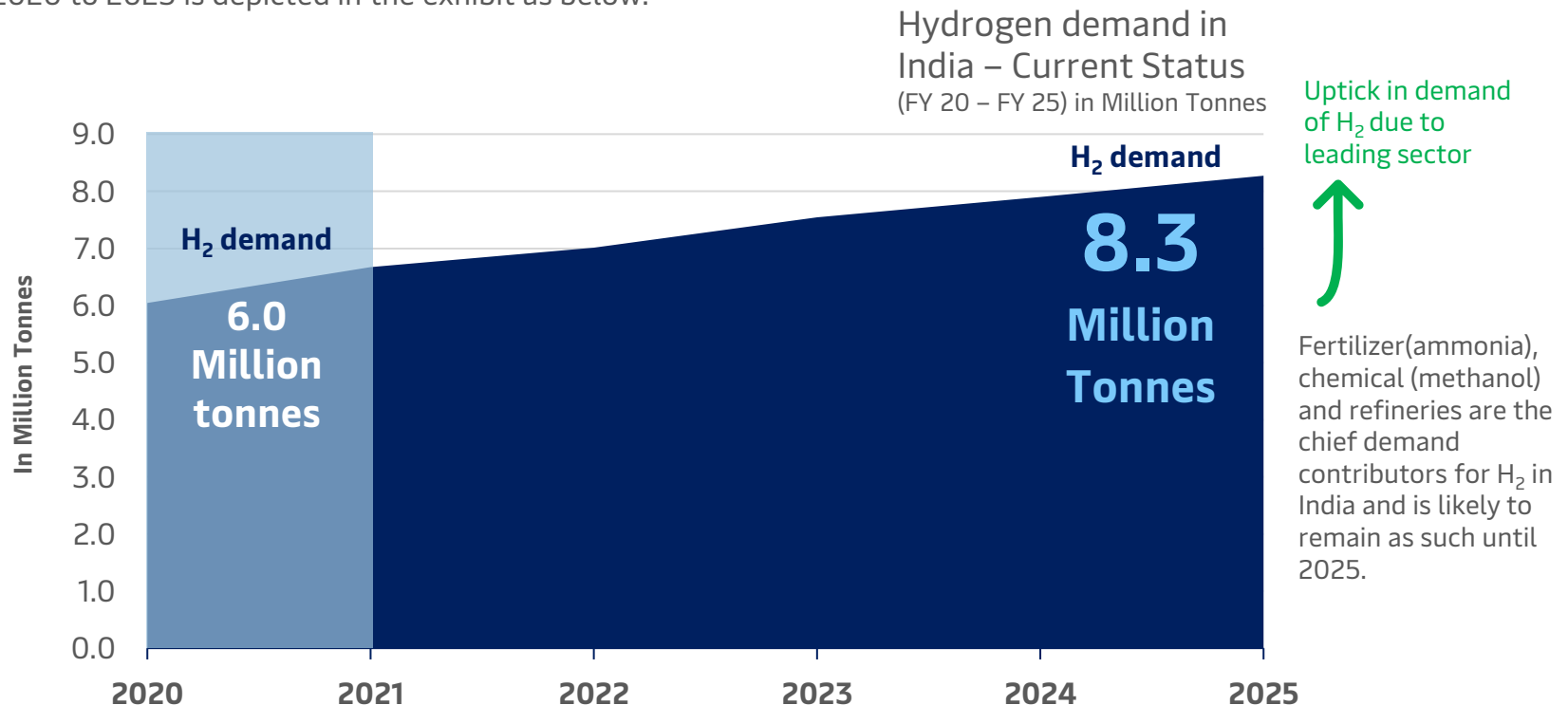
# Market sizing of hydrogen production in India as per end use from current landscape till 2025

Part -11 (Hydrogen cost benchmarks, demand built-up, transport infra & market size evaluation for India )

## Current Market Size of Hydrogen in India (2020-2025)

### Market size of hydrogen by volume (in Million tonnes)

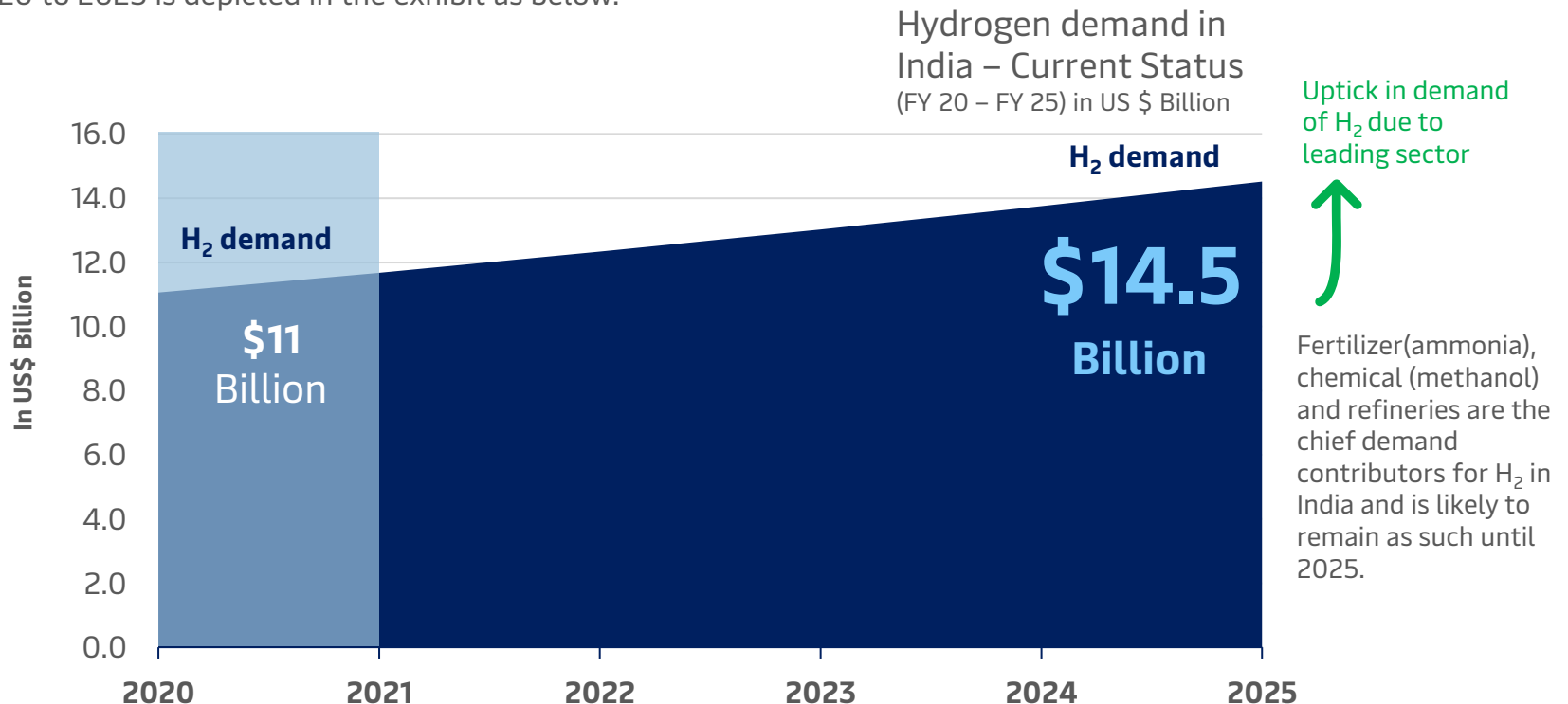
India at large witnesses demand from fertilizer, chemicals (methanol) and refineries. Although slowly the demand has risen from 6 million tonnes in 2019 to ~7 million tonnes in 2021. The break-up of demand as per volume is from 2020 to 2025 is depicted in the exhibit as below.



## Current Market Size of Hydrogen in India (2020-2025) (contd.)

### Market size of hydrogen by value (in US\$ Billion)

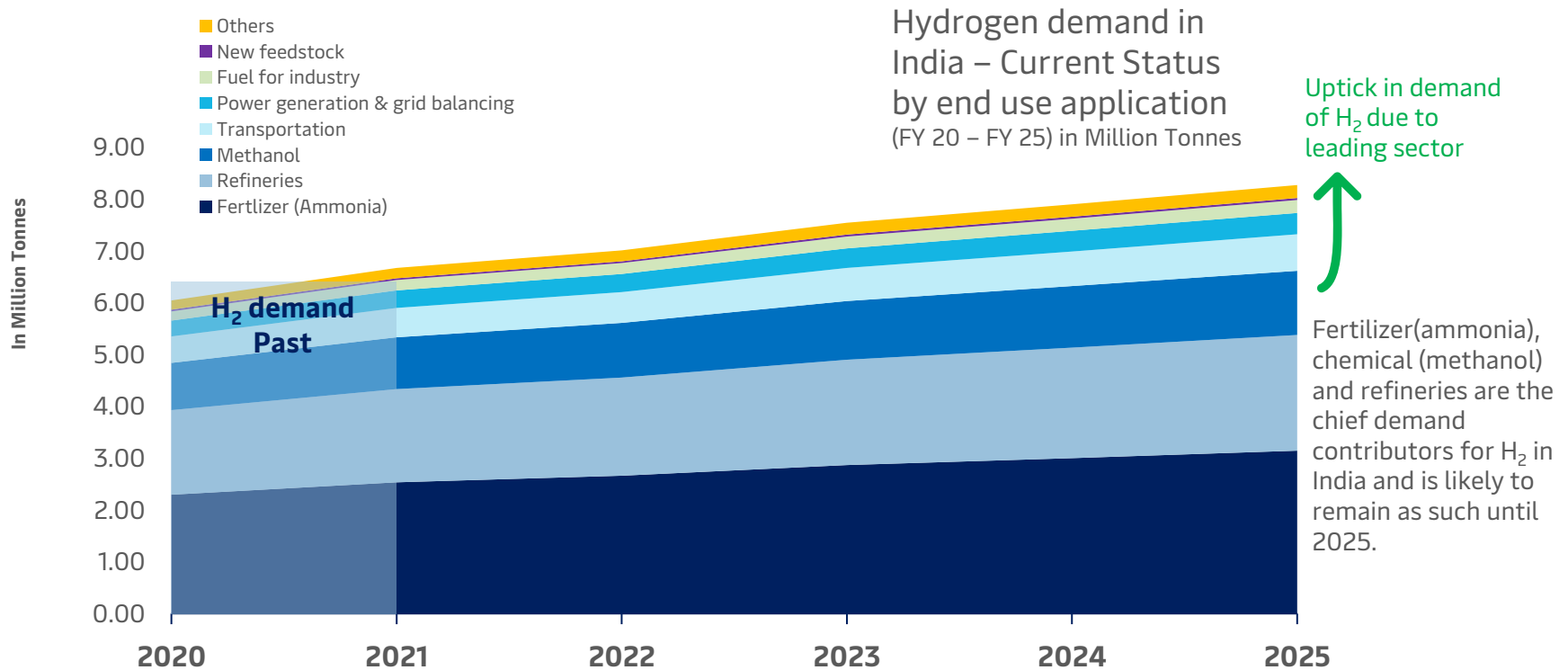
India at large witnesses demand from fertilizer, chemicals (methanol) and refineries. Although slowly the demand has risen from US\$ 11 Billion in 2020 to US\$ 14.5 Billion in 2021. The break-up of demand as per value is from 2020 to 2025 is depicted in the exhibit as below.



# Current Market Size of Hydrogen in India (2020-2025) (contd.)

## Market size of hydrogen by end use application by volume (in Million Tonnes)

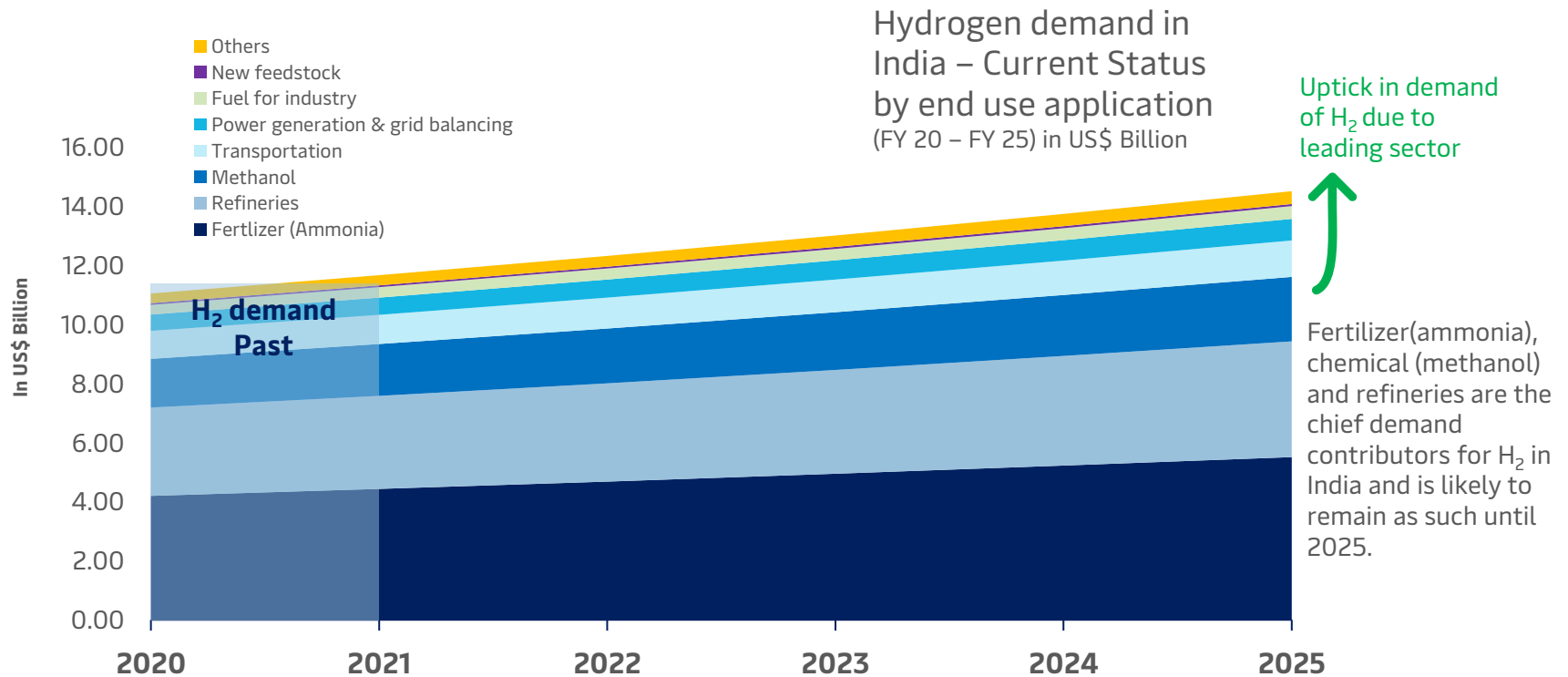
The major end uses in India is from fertilizer (ammonia), chemicals (methanol) and oil refineries. It has demand from transportation and power generation and grid balancing at very nominal levels and is expected to increase by end of 2030.



# Current Market Size of Hydrogen in India (2020-2025) (contd.)

## Market size of hydrogen by end use application by value (in US\$ Billion)

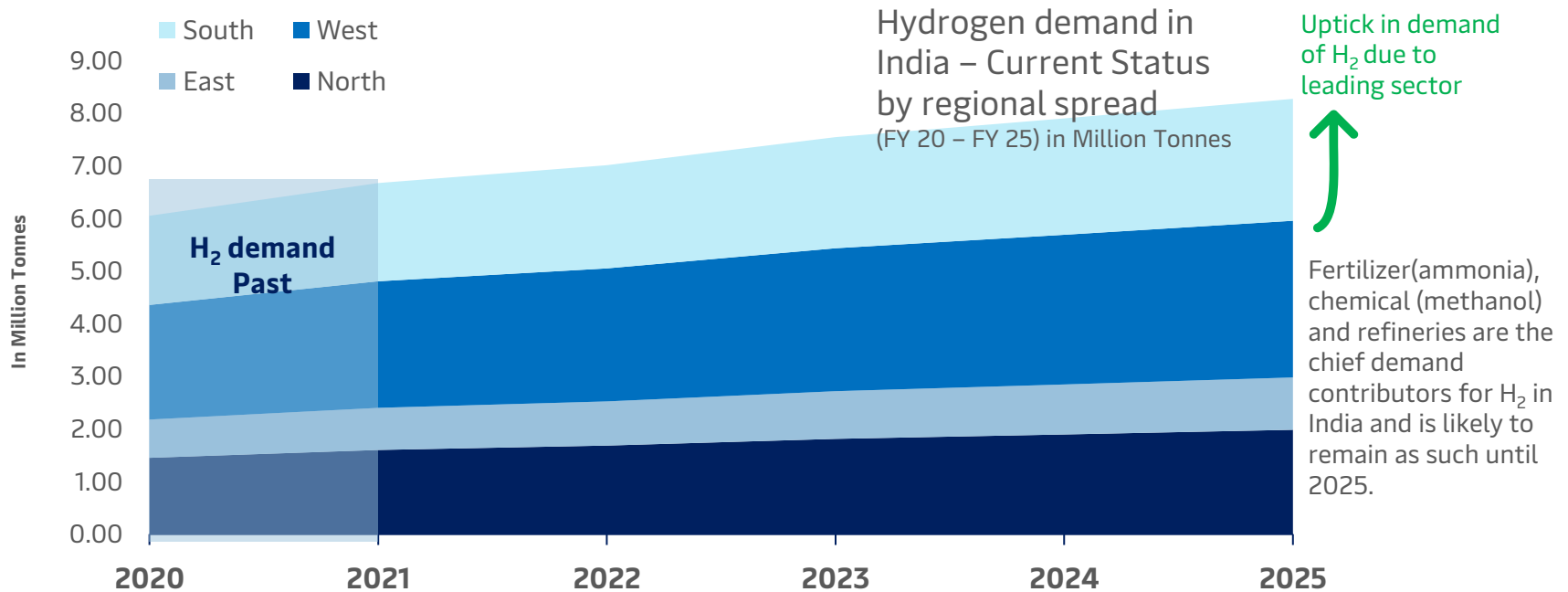
The major end uses in India is from fertilizer (ammonia), chemicals (methanol) and oil refineries. It has demand from transportation and power generation and grid balancing at very nominal levels and is expected to increase by end of 2030. The market size for these application by value is depicted as below



# Current Market Size of Hydrogen in India (2020-2025) (contd.)

## Market size of hydrogen by regional spread in the country & volume (In Million Tonnes)

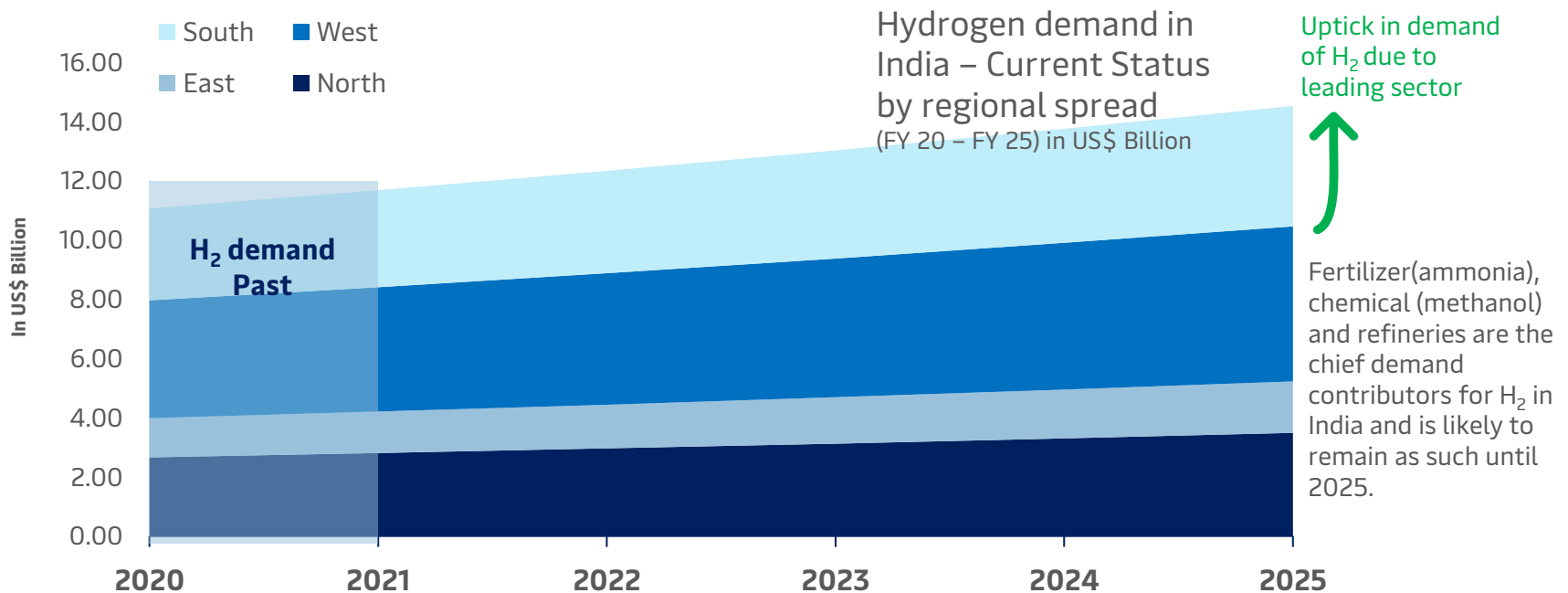
The western region for now leads the demand contribution in the country which is followed by southern and northern region closely. It is so as the ammonia production and refineries are situated majorly in the western part only. Eastern region is a contributor for steel making, and as fuel for industry. The quantum of demand from transport sector is expected build around 2030 in the country. The market size volume is shown as below:



## Current Market Size of Hydrogen in India (2020-2025) (contd.)

### Market size of hydrogen by regional spread in the country & value (In US\$ Billion)

The western region for now leads the demand contribution in the country which is followed by southern and northern region closely. It is so as the ammonia production and refineries are situated majorly in the western part only. Eastern region is a contributor for steel making, and as fuel for industry. The quantum of demand from transport sector is expected build around 2030 in the country. The market size value is shown as below:



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