









Episode 3: India Supply Chain in Focus

Running order

- Live Poll
- Brief overview: India supply chain context
- Brief overview: Global crisis developments
- Live Poll
- Panel discussion part 1: Managing & mitigating Covid-19 disruption
- Live Poll
- Panel discussion part 2: India supply chain opportunities post-crisis









Episode 3: India Supply Chain in Focus. Special guest panel



Sunjay Kapur Chairman Sona Comstar



Vinnie Mehta
Director General
ACMA



KV Praveen
Director purchasing
Asia Pacific & BCC
Meritor



Vikrampati Singhania Managing Director JK Fenner



Jasjit Sethi
CEO
TCI Supply Chain Solutions



Host: Christopher Ludwig, Editor-in-Chief Ultima Media





Supply chain restarts



China gathers pace...but supply issues loom

- OEMs report increasing activity, with April sales and production expected to improve back to around 75% normal levels
- Government support including EV incentives, lifting new car limits in cities
- China could see disruption in global supply chains:
 Germany, Japan and South Korea leading parts source
- More focus on local suppliers
- China economy will suffer from export decline
- Significant logistics disruption remains





Supply chain restarts



Europe – a slow return

- Component and powertrain plants coming back online
- Assembly restarts: Hyundai-Kia in Czech and Slovakia,
 Magna in Austria, Renault in Portugal, Toyota in France,
 Volvo in Sweden, Belgium, VW Group in Slovakia, Zwickau
- Next week: Mercedes-Benz in Germany, VW Group in Germany, Czech Republic, Belgium, Portugal, Spain,FCA in Seval, Italy; Renault-Dacia in Romania, PSA in Slovakia Toyota in France & Poland, Volvo in Sweden
- Early May: BMW, Ford, PSA Group, Renault-Nissan, FCA
- German dealers can reopen
- But restarts are fragile, i.e. Kia already stopped in Slovakia because of parts shortage
- Ports space issue increasing





Supply Chain restarts



US/North America – a slow return

- Suppliers beginning restarts
- Early assembly restarts: Kia in Georgia, Mercedes Alabama,
 VW in Tennessee
- Others across region planned for May or indefinite
- Federal guidelines now indicate vehicle dealerships can open
- Mexico is behind curve, potential supply chain risk
- Storage issues at ports and transport network







A new normal that is anything but...



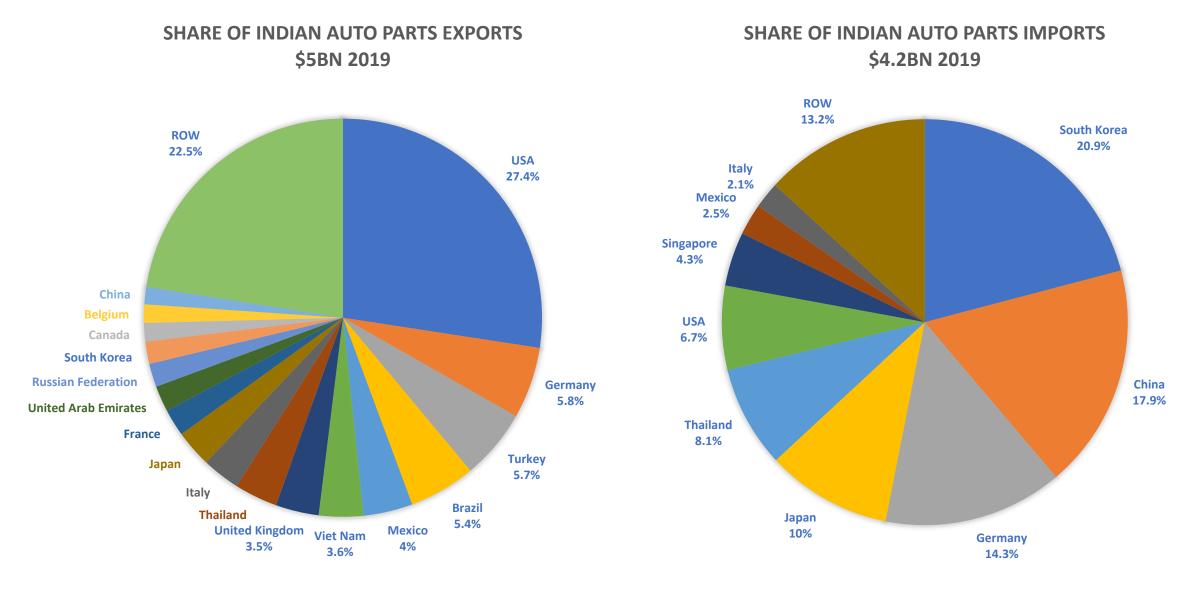
- Safety, distancing and PPE requirements
- Highly volatile supply
- Supplier liquidity risks tier 2, 3 and LSPs
- Demand shocks shutting additional production lines (South Korea)
- Logistics constraints
- Sales channels still limited
- Risks of protectionism growing
- ...supply chain will be king: resilience, agility, automation

Top countries: automotive parts and accessory exports

| Exporters | Value exported in 2019 (USD thousand) | Trade balance in 2019 (USD thousand) | CAGR 2015-19 (%) | CAGR 2018-19 (%) | Average KM importing countries |
|--------------------|---------------------------------------|--------------------------------------|---------------------|---------------------|--------------------------------|
| Germany | \$61,796,400 | \$22,254,612 | 5 | -8 | 3675 |
| United States of | | | | | |
| America | \$43,018,677 | -\$26,615,782 | 0 | -6 | 3407 |
| China | \$33,625,803 | \$8,404,847 | 6 | -4 | 8034 |
| Japan | \$32,697,064 | \$24,568,442 | 4 | -9 | 7246 |
| Mexico | \$30,659,940 | \$3,500,583 | 5 | 3 | 2554 |
| Korea, Republic of | \$18,981,682 | \$15,115,024 | -5 | -3 | 8033 |
| Czech Republic | \$15,132,699 | \$3,829,221 | 5 | -3 | 968 |
| Italy | \$14,680,970 | \$6,376,890 | 5 | -4 | 2250 |
| Poland | \$14,352,084 | \$5,964,026 | 10 | -1 | 1201 |
| France | \$13,932,725 | -\$2,690,636 | 0 | -11 | 1835 |
| Canada | \$10,883,287 | -\$8,944,624 | 1 | -4 | 1562 |
| Spain | \$10,824,805 | -\$6,276,074 | 4 | -8 | 2498 |
| Thailand | \$8,039,565 | \$1,250,026 | 6 | -6 | 6607 |
| Romania | \$7,036,357 | \$2,766,303 | 10 | -8 | 1785 |
| Hungary | \$6,736,775 | \$716,531 | 7 | 0 | 1286 |
| Belgium | \$6,601,543 | -\$2,294,203 | 7 | 3 | 2408 |
| United Kingdom | \$6,476,133 | -\$9,371,428 | 1 | -9 | 2783 |
| Sweden | \$5,204,201 | -\$1,047,809 | 4 | -7 | 2352 |
| India | \$5,032,374 | \$842,686 | 8 | -2 | 8561 |

Source: ITC (based on product code 8708)

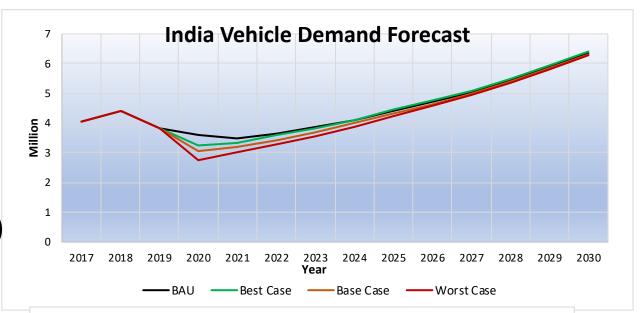
India auto parts & accessory export and import share by country

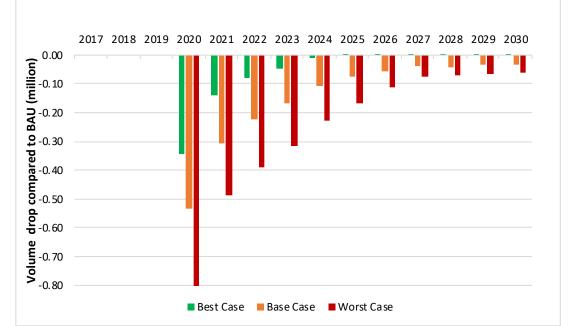


Source: ITC (based on product code 8708)

India vehicle sales outlook

- ► <u>Best Case</u> A fall in volume in 2020 of **0.34** million units (**-9.6**% from BAU, **-15**% from 2019)
- <u>Base Case</u> A fall in volume in 2020 of **0.53** million units (-14.9% from BAU, -20% from 2019)
- ► Worst Case A fall in volume in 2020 of **0.84** million units (-**23.4**% from BAU, **-28**% from 2019)
- ▶ In all cases, 2018 peak reached by mid-decade







FESTIVAL OF TRANSFORMATION SURVIVING AND THRIVING IN 2020

SPRING – SUMMER



08 APRIL THE LIVESTREAM HOUR:US IN FOCUS

15 APRIL THE LIVESTREAM HOUR: RESTARTING AUTOMOTIVE PRODUCTION

22 APRIL THE LIVESTREAM HOUR: INDIA IN FOCUS

29 APRIL MAIN STAGE: AUTOMOTIVE SUPPLY CHAIN APRIL UPDATE

automotivelogistics.media/festival-of-transformation

Get in touch if you're interested in participating



Christopher Ludwig, editor-in-chief, christopher.ludwig@ultimamedia.com







