Tata Motors Limited

ESG at Tata Motors
‘In a free enterprise, the community is not just another stakeholder in business, but is in fact the very purpose of its existence’

- Jamsetji Tata
  Founder of Tata Group,
  Chairman
  (1868-1904)
Intensifying the focus on ESG

We are about to redefine our ESG aspiration and agenda – focus towards CO2 neutral footprint

**Environment**
- Committed to Renewable Energy RE100 by 2030, from 20% in 2021
- Joined GoI's vision of carbon footprint reduction
- GHG scope 1+2 emission targets SBTi framework
- Healthy margin wrt PV on CAFÉ
- On track to plant 1mn trees by Dec-21

**Safety**
- Frontrunner in India on GNCAP safety standards
- LTIFR* <0.2, 20% reduction over last 7 years, aspiration: Zero harm

**CSR & Health**
- Consistent spend on CSR beyond regulations (200 mn.)
- Supported 28k underprivileged youth in higher education
- 0.7mn+ lives impacted
- 28k+ Covid-19 tests conducted for employees in Restart phase

**Sustainable Mobility**
- Tata UniEv*erse - a Tata Group consortium committed to address the e-mobility ecosystem
- Leading India's adaption to ‘zero emission’ mobility
  - Nexon EV Best selling EV
  - 215 Buses with accumulated 7.5 million kms under FAME-1, order book of 500 electric buses

---

*LTIFR* Lost time Injury Frequency rate  
^GoI Government of India
Sustainability: Linkage to the SDGs

We are committed to the UN Sustainable Development Goals with a clear vision of how we want to achieve it.

VISION

PRESERVING THE WORLD FOR THE FUTURE

COMMITMENT

1. GOOD HEALTH AND WELL-BEING
2. CLEAN WATER AND SANITATION
3. AFFORDABLE AND CLEAN ENERGY
4. SUSTAINABLE CITIES AND COMMUNITIES
5. RESPONSIBLE CONSUMPTION AND PRODUCTION
6. CLIMATE ACTION
7. LIFE BELOW WATER
8. LIFE ON LAND

DRIVING CARBON NEUTRALITY

PIONEERING CIRCULAR ECONOMIES

PRESERVING NATURE
Sustainability Governance

We are building our Sustainability Governance Structure and is under discussion and on the cards.

- Corporate Sustainability
- Sustainability Strategy
- Impact evaluation
- Knowledge hub & sustainability reporting
- Corporate giving and social initiatives
Our Materiality Matrix

Multiple Areas of Intervention Identified as Material to our Sustainability Goals
Measurement Boundaries Guided by the GHG Protocol
We’re following the GHG protocol recommendations to define our measurement scopes and boundaries

![Graph showing measurement boundaries]

Source: Figure 1.1 of Scope 3 Standard.
Our Roadmap to Net Zero

Sustainability is being brought into the center of Business Strategy for all Horizons to meet the Net Zero targets.

- Improvement in Efficiency of ICE vehicles
- X% reduction in absolute emissions
- Capacity expansion and Purchase of Renewable Energy
- Up to 50% reduction in Energy Consumption
- Up to 80% Renewable Energy
- Towards 100% RE and no use of fossil fuels for Operations
- Increasing share of EVs in product mix
- Energy Conservation initiatives
- Y% reduction in absolute emissions

It would take all of our products to be equipped with Zero Tailpipe emission technologies to enable Net Zero Emissions along with Greening of the Supply Chain and the Electricity Grid.

*For representation purpose only
Our Strategy Levers

Three strategy Levers that will help us achieve our Sustainability Targets

- Sustainable Product Stewardship
- Sustainable Operations
- Sustainable Mobility
Sustainable Mobility
Leading India’s evolution from IC to EV

CESS
- Disruption is the new norm
  - Connected – Electric - Shared - Safe Mobility solutions that drive India forward

Key Highlights FY21

Making EVs affordable
- Solutions for goods, public & personal transport
- Nexon EV, a compelling proposition launched

TATA UniEVerse
- Group companies enabling supporting ecosystem

Enabling Framework
- GoI FAME 2 incentives
- Norms encouraging localization
- Support from state governments

Sustainable Mobility

- Financial Viability
- Electrify India
- Push by Government of India
- TATA UniEVerse Ecosystem
- Proactive E-Mobility

Fleetman
- First vehicle manufacturer to install 100,000 advanced telematics units in CV business

Showcased India’s first ever fully electric 4/12 m low floor entry bus and Ultra T.7 ILCV truck
Sustainable Mobility: Leveraging Tata Group’s strengths and shared vision for nation building
Tata Motors is committed to accelerate the adoption of EVs in India

Redefining the ecosystem partnership model in the clean mobility space through shared portfolio of efforts (towards net-zero), decarbonization expertise and advocacy, and active projects pipeline
Sustainable Product Stewardship
Lifecycle outlook to build efficiency and deliver value throughout the Business Value Chain

Key Highlights FY21

**Circularity**
- ~21,574 engines reused/recycled
- >80% recyclability and >85% recoverability rates for PV models

**International Safety Norms**
- 5-star Global NCAP rating: Altroz in 2020 and Nexon in 2018
- 4-star Global NCAP rating: Tiago and Tigor in 2020

**Building Efficiencies**
- Modular Designs
- 100% recycled Bumpers
- Extended oil drain life

**Managing Lifecycles**
- Lifecycle analysis
- First Indian OEM on IMDS
- First on IDIS too

---

© Tata Motors Limited 2017
Sustainable Product Stewardship: Safety

Safety is in our DNA and increasingly a preferred choice for our Customers

(Results Table Courtesy Global NCAP)

"India tops the world in road crash deaths and injuries. It has 1 per cent of the world’s vehicles but accounts for 11 per cent of all road crash deaths, witnessing 53 road crashes every hour; killing 1 person every 4 minutes,“

– World Bank Report, 16 Feb 2021

• 4 out of 5 of the Safest* Cars in India in 2020 are a TATA

• Safety Sells. Perceptible shift in consumer perception to wards safety. Our increase in market share from under 5% in FY20 to over 8% in FY21 is a testament to this shift.

• India’s 1st Crash Test facility established in 1997 at our Engineering Research Center in Pune and continues with cutting edge R&D on active and passive safety and ADAS technologies.

(* Ref Global NCAP Facebook Page Sep 2020)
Sustainable Business Model: Disclosure of key materials used in products

Though pioneering, these are just the first steps towards a sustainable business model.

**IMDS** (International Material database System)

Tata Motors Joins as ‘First Indian Manufacturer’

**IDIS** (International Dismantling Information System)

Tata Nexon published on the IDIS

- First Indian car to be published on the International Dismantling Information System (IDIS) platform for End-of-Life Vehicles (ELV).

Tata Motor's Nexon is the first Indian car to be published on the IDIS
Sustainable Operations
Acting responsibly to benefit communities and society

Reducing GHG emissions
Reducing water consumption
Engaging communities
Sustainable Supply chain
Reducing Hazardous Waste generation
Achieving Zero Waste to Landfill

Key Highlights and Trends

GHG Emissions
✓ ~22,350 tCO2e avoided through energy conservation

- tCO2e avoided through ENCON
  - 2015-16: 13,953
  - 2016-17: 8,293
  - 2017-18: 18,378
  - 2018-19: 20,218
  - 2019-20: 26,526
  - 2020-21: 22,352

Renewable Energy
✓ 20.0% of total power sourced from RE

- %RE in Total Power
  - 2015-16: 8.4
  - 2016-17: 16.3
  - 2017-18: 20.8
  - 2018-19: 16.1
  - 2019-20: 21.6
  - 2020-21: 20.0

Water Conservation
✓ Fresh water offset improved by 10.7%
✓ Enhanced water security in plants

- % Freshwater Offset
  - 2017-18: 17.3
  - 2018-19: 13.8
  - 2019-20: 16.4
  - 2020-21: 27.1

Supply Chain
✓ 32 Workshops and 388 supplier assessments through Sustainable Supply Chain Initiative since 2016

- Supplier assessments
  - 2016-17: 52
  - 2017-18: 66
  - 2018-19: 115
  - 2019-20: 125
  - 2020-21: 30 (virtual)

Waste Management
✓ 5 of 7 Plants are zero hazardous waste to landfill

- Specific HW Generated (kg/Vehicle)
  - 2015-16: 10.9
  - 2016-17: 10.3
  - 2017-18: 9.4
  - 2018-19: 10.2
  - 2019-20: 10.3
  - 2020-21: 8.8

CSR
✓ Health – Education – Employability - Environment
✓ Touched +750,000 lives
Way Forward

Bringing sustainability to front and centre of the business

- Modelling of Scope 1, 2 & 3 emissions and its impact
- Set targets and scorecard cascades to monitor execution.
- Alignment with Tata Group sustainability targets
- Baselining of Biodiversity and impact
- Establishing a framework for recording and reporting on Circularity of our products
- Ensure data integrity to ensure consistency of reporting and tracking.
‘The Tata philosophy of management has always been, and is today more than ever, that corporate enterprises must be managed not merely in the interests of their owners, but equally in those of their employees, of the consumers of their products, of the local community and finally of the country as a whole.’

- J.R.D. Tata
  Chairman, Tata Sons
  (1938-1991)
Health, Safety & CSR at Tata Motors
Health : Covid 19 readiness at locations

Employee Health support:
Health Status of all employees through app, 24*7 medical helpline, Buddy for positive cases, Hospitalization support, Tele Medicine

Awareness:
Employee Awareness campaigns, Use of social media

Disinfection & Sanitization:
Of entire TML premises

Site Readiness:
Masks, Thermal sensors, Audits, 50+ protocols/ SOPs

Transport Readiness:
Sanitization of transport vehicles, social distancing

Workplace Readiness:
Quarantine facility, Hospital, Earmarking Ambulance, zoning, armchair exercises, epidemic prediction

Maintenance & Checking:
Of all plant equipment
Health : Covid 19

Business continuity at all plants and warehouses. Vaccination started for all employees and dependants

- Vaccination Drive 1st Phase (93%)
- Testing 60000+ Employees
- COVID Policies: WFH, Sickness, Death benefits, financial support
- COVID Care
- Hospitalization support
- Emotional support Helpline: 5454 Registrations
- Ecosystem Support

Extended Support from Tata Group

FOR COVID-19 TESTING NEEDS
How does it work?
It's Simple
1. This facility is being availed exclusively for Tata employees and their dependents only for COVID testing
2. Sample to be collected at the employee's or their dependents to be tested through MSL from [link]
3. Testing is not available on Sunday or any public holidays (even working days)
4. Test details shared before 10.00 pm, testing will be underway the next working day. Any request received post 10.00 pm will be scheduled on subsequent working day
5. Once details are shared, DO NOT cancel the appointment
6. Our reports will be made available in 24-48 hours from sample collection
7. Locations applicable: Mumbai, Pune, Bangalore, Chennai, Delhi & Hyderabad
For appointments:
Call: 18002664242 (Extention from 1 to 20)
email: testadmin@tata.com

24x7 Helpline
1800 266 4242

Stay safe with healthcare at your doorstep with Iimg
Trusted by 15 crore Indians
Iimg offers you
Home delivery of medicines and health products
Whole selection of tests with home collection
Online consultation with top doctors and health experts

Covid Vaccination Drive 2021 Tata Group companies
Vaccines by: JSW

Safety Excellence
Our Safety Excellence Journey is guided by proactive approach

- Fatality Free 2 Years
- Fatality free 9 Quarters
- Incident free restart after lockdown
- Comprehensive Pre Start up Safety preparations
- Proactive Safety index
- Proactive Safety Index improved by 15% YoY
- Safety Trainings
  - Safety Training Man-hours per employee improved from 6.81 in FY20 to 10.61 in FY21. Up by 55.8%
CSR: More from less for more
Touched 4 million Lives by investing ₹ 1568 Mn since 2014-15

Number of Lives Touched (in ‘000s)

<table>
<thead>
<tr>
<th>Year</th>
<th>Lives Touched</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-17</td>
<td>580</td>
</tr>
<tr>
<td>2017-18</td>
<td>644</td>
</tr>
<tr>
<td>2018-19</td>
<td>733</td>
</tr>
<tr>
<td>2019-20</td>
<td>760</td>
</tr>
<tr>
<td>2020-21</td>
<td>754</td>
</tr>
</tbody>
</table>

CSR Spend ₹ Mn

<table>
<thead>
<tr>
<th>Year</th>
<th>Spend ₹ Mn</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016-17</td>
<td>259</td>
</tr>
<tr>
<td>2017-18</td>
<td>214</td>
</tr>
<tr>
<td>2018-19</td>
<td>224</td>
</tr>
<tr>
<td>2019-20</td>
<td>229</td>
</tr>
<tr>
<td>2020-21</td>
<td>243</td>
</tr>
</tbody>
</table>

45% beneficiaries belong to Scheduled caste & Scheduled Tribe communities. 29% Increase in ‘lives touched’ over 5 years
## CSR Outcomes: FY 2020-21

### Influencing and improving quality of life

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>EDUCATION</th>
<th>EMPLOYABILITY</th>
<th>ENVIRONMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>✓ Covid help: Rs 61.7 Mn</td>
<td>✓ Pass percentage up 65% to 93%</td>
<td>✓ Job placement improved from 44% to 63%</td>
<td>✓ Tree planted: 100000+</td>
</tr>
<tr>
<td>✓ 90% of malnourished children Improved to Normal</td>
<td>✓ Admissions into IITs, NIITs, and Medical increased from 52% to 90%</td>
<td>✓ Income increased to ₹ 100,000</td>
<td>✓ 79% survival of the saplings</td>
</tr>
<tr>
<td>✓ 55% Convergence of resources through MLM</td>
<td>✓ Trainees placed</td>
<td>✓ 45% TML contribution in MLM</td>
<td>✓ 90% plants are indigenous</td>
</tr>
</tbody>
</table>

- **Health** - ‘Phygital’ mode of implementation of health programs, including telemedicine.
- **Education** - Virtual modes of learning, app based, Cyber-class etc helped reach out to students at the remotest locations.
- **Employability** - Online learning made the training reach Pan India.
- **Environment** - Digital approach helped to take the environment awareness Pan-India.

### Seeding sustainability

**Planning sustainability for Key programs with high resource commitments**, Exit strategy worked out, Tapering down of financial resources YOY, Calibrating measures for ensuring scale, quality, efficiency an effectiveness build into the strategy.
‘Ethical behaviour in business – in every sphere and with all constituents – has been the bedrock on which the Tata group has built, and operates, its enterprises. This has been an article of faith for the group ever since its inception, a fundamental element of our cherished heritage and the essence of our way of life.’

- Ratan Tata
  Chairman, Tata Sons
  (1991-2012)
Governance
Responsible leadership steering the business

Leadership

• Diverse and highly experienced leadership

• Integrated governance structure for subsidiaries (JLR, TMFL)

• Adhere to global best practices for transparency and disclosures (20F, SEC compliance)

• Separate committees for
  • Safety, Health & Sustainability
  • CSR
  • Audit Committee
  • Risk Management Committee
  • Stakeholders’ Committee

• Effective stakeholder engagement

Diverse Board

Female, 2
Male, 6
Independent, 4
Non Executive, 3
Executive, 1

Award winning governance
# Experience behind the wheels

## Our Board of Directors

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Sector/Industry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr N Chandrasekaran</td>
<td>Non Executive &amp; Chairman</td>
<td>Software IT and consulting sector</td>
</tr>
<tr>
<td>Mr O P Bhatt</td>
<td>Non Executive, Independent</td>
<td>Banking, financial and Manufacturing sector</td>
</tr>
<tr>
<td>Ms Hanne Sorensen</td>
<td>Non Executive, Independent</td>
<td>Finance, Energy and transportation segment, supply chain management</td>
</tr>
<tr>
<td>Ms Vedika Bhandarkar</td>
<td>Non Executive, Independent</td>
<td>Merchant banking and Finance</td>
</tr>
<tr>
<td>Mr Mitsuhiko Yamashita</td>
<td>Non Executive, Independent</td>
<td>Automotive industry</td>
</tr>
<tr>
<td>Mr K V Chowdary</td>
<td>Non Executive, Independent</td>
<td>Banking and taxation</td>
</tr>
<tr>
<td>Mr Thierry Bolloré</td>
<td>Non Executive, Independent</td>
<td>Automotive industry transformation</td>
</tr>
<tr>
<td>Mr Guenter Butschek</td>
<td>CEO &amp; Managing Director</td>
<td>International automotive management</td>
</tr>
</tbody>
</table>

### Committees:

- (A) Audit
- (N) Nomination and Remuneration
- (S) Stakeholders’ Relationship
- (C) CSR
- (R) Risk Management
- (H) Safety, Health & Sustainability
- (xx) Chairperson

<table>
<thead>
<tr>
<th>Average years in TML</th>
<th>02</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average Age of TML Board</td>
<td>61</td>
</tr>
</tbody>
</table>
Governance
A tradition of trust & transparency

Ethics & Code of Conduct

• Highest standards of professionalism, honesty, integrity and ethical behaviour.

• Adherence to Tata Code of Conduct (TCOC), Tata Business Excellence Model (TBEM) and core company values

Adequate internal controls

• Regular reviews of by Audit Committee

• Compliance towards Sarbanes Oxley Act

• Continuing efforts to align all our processes and controls with global best practices

Information Security

• Comprehensive information security policy and continuous upgrades to our IT systems

TML Core Values

VALUES

- Integrity
- Accountability
- Excellence
- Teamwork
- Customer focus
- Speed

Belongs to Tata philosophy of management
Thank you
ir_tml@tamatomtors.com