

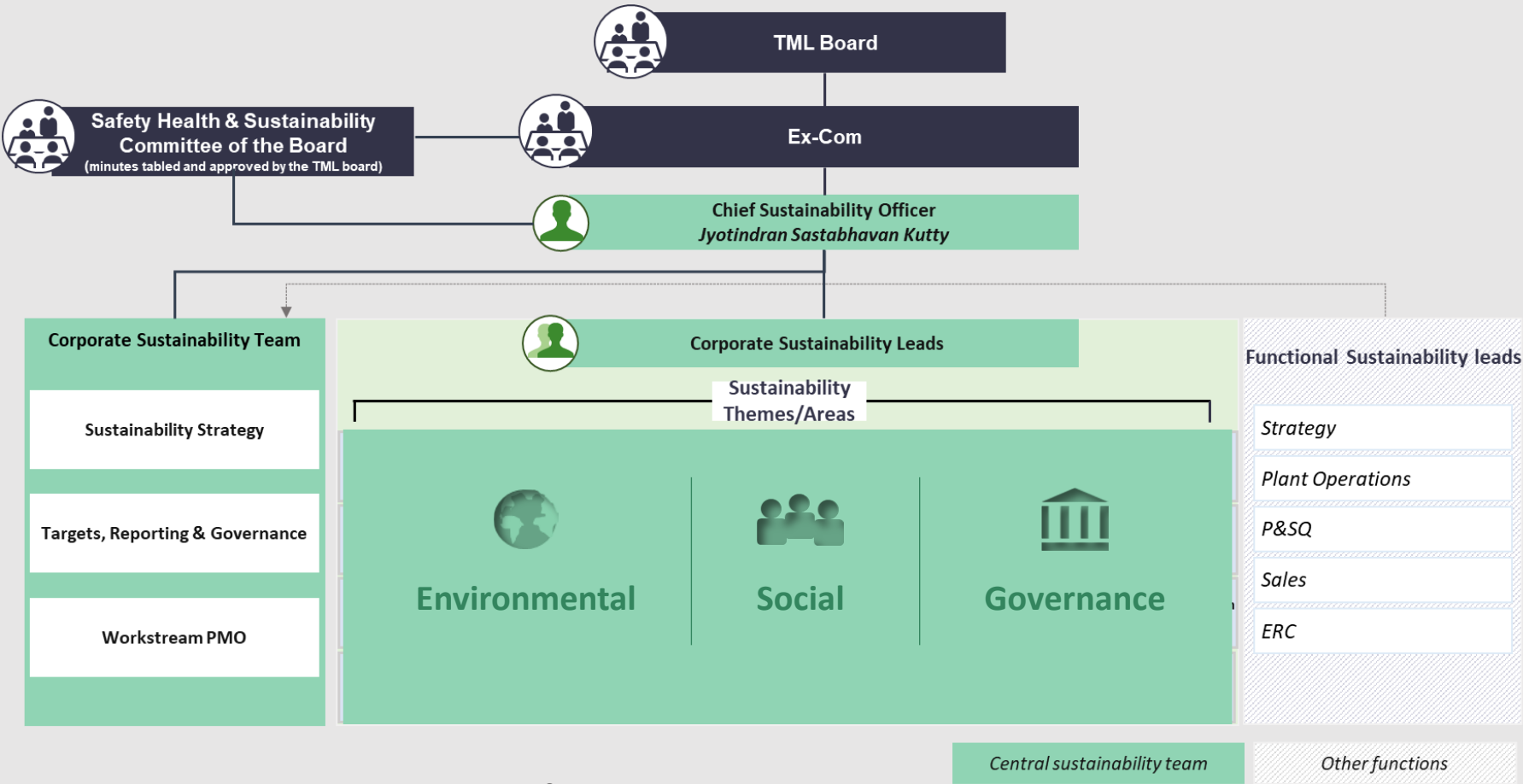


# Tata Motors Limited

ESG at Tata Motors

# Sustainability Governance

Sustainability now cuts across functions and is strategically aligned around key themes



# Our Ambition

Sustainability themes are being driven under three key Ambitions

## DRIVING NET ZERO

### Net Zero by 2045

- *PV by 2040*
- *CV by 2045*
- *RE 100 by 2030*
- *Committed to SBTi*

## PIONEERING CIRCULAR ECONOMIES

### Adopting Circular Economy principles

- *Material Circularity*
- *ZWTL*
- *Net Water Positive*
- *Mobility as a Service*

## PRESERVING NATURE AND BIODIVERSITY


### Towards Net Positive Impact

- *Investing in Nature  
Based Solutions*

# Driving Net Zero

Ambition anchored in Science

Tata Motors Ltd. is committed to set Science Based Targets for its GHG emissions



About UsBusiness Ambition for 1.5°CNet Zero

How it worksSet a targetCompanies taking actionSector goals

Target dashboard

CLEAR FILTERS

Tata

FILTERS

DOWNLOAD XLS

Committed

Long term

Net-zero

Location

Region

Organization type

Automobiles and Co...

2022

COMPANY/FINANCIAL INSTITUTION	TARGETS			ORGANIZATION TYPE	
	NEAR TERM	LONG TERM	NET-ZERO		
Tata Motors Limited India, Asia	COMMITTED	-	-	Company	VIEW LESS

Date published/updated  
2022

Sector  
Automobiles and Components

Target summary  
Near term: Committed


Showing 1 - 1 of 1

Per page10

Tata Motors Ltd. is committed to source 100% of its electricity needs through Renewable Sources by 2030

RE100 Members

Over 370 RE100 companies have made a commitment to go 100% renewable.



Members

Showing 1 to 1 of 1 members

Reset filters

MembershipJoining yearTarget yearIndustry

tata motors

Q

Name	Joining year	Target year	Industry
Tata Motors Limited	2016	2030	Manufacturing

# Driving Net Zero

Strategic Levers to meet our ambition

## CV Business

### Products:

- Transition fuels (CNG, LNG, Biodiesel etc.)
- Battery Electric Vehicles in SCV, LCV, Intra-City Buses and specific sub-segments of M&HCV
- Hydrogen Fuel Cell and Hydrogen based IC Engine technology for M&HCV and Inter-City Buses

## PV Business

### Products:

- Transition fuels (CNG)
- Battery Electric Vehicles transition of our full portfolio.

### Operations:

- All manufacturing sites transition to RE-100 by 2030

### Value Chain:

- Alignment of ambition and targets with both upstream and downstream value chain partners

# Driving Net Zero

## Products



Incorporated 'TML Smart City Mobility Solutions Ltd' for undertaking urban mass mobility business



MOU with Lithium Urban Technologies for 5000 EV;s, BluSmart Electric Mobility for 10,000 XPRES T EVs



Extended portfolio with Nexon XM + (S) and Nexon EV Prime



Enabling a Greener Last Mile transport solution with the unveiling of Ace EV with an order bank of 39,000 vehicles on the day of launch



Lowering the entry barrier for EVs in India with the launch of Tiago EV at an introductory price of ₹ 8.49 L



Showcased its Electric SUV Concept – CURVV#DifferentByDesign



Unveiled AVINYA Concept –pure EV, based on GEN 3 architecture

# Driving Net Zero

## Operations

CV Pune

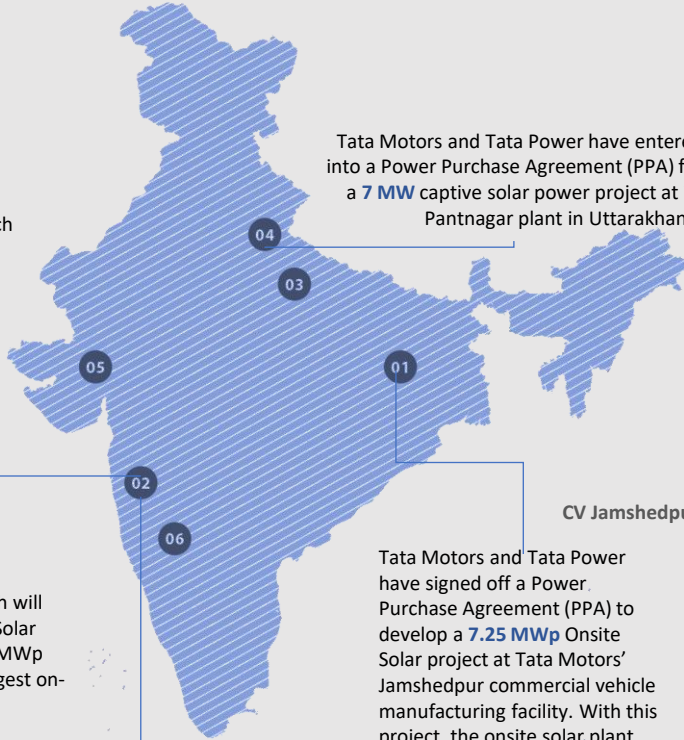


**4 MWp** Roof Top Solar installation started which will take the total Roof Top Solar installed Capacity to 9 MWp.

PV Pune



**7 MWp** Roof Top Solar installation started which will take the total Roof Top Solar installed Capacity to 17 MWp which will be India's largest on-site solar installation.



Tata Motors and Tata Power have entered into a Power Purchase Agreement (PPA) for a **7 MW** captive solar power project at its Pantnagar plant in Uttarakhand.

CV Pantnagar



CV Jamshedpur

Tata Motors and Tata Power have signed off a Power Purchase Agreement (PPA) to develop a **7.25 MWp** Onsite Solar project at Tata Motors' Jamshedpur commercial vehicle manufacturing facility. With this project, the onsite solar plant capacity of Tata Motors' Jamshedpur facility will reach 14 MWp.



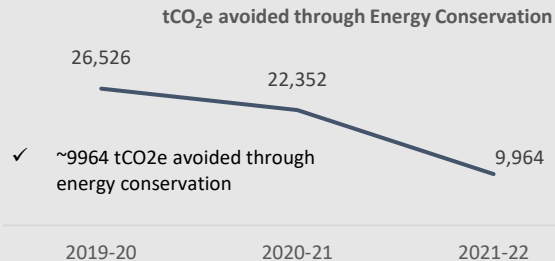
# Sustainable Operations

Acting responsibly to benefit communities and society

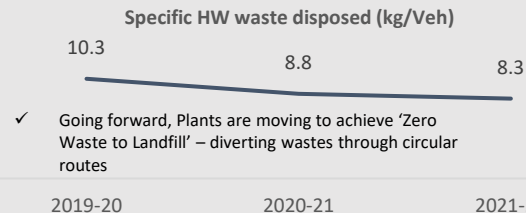
## FY 22: Key highlights and trends



### GHG Emissions



### Hazardous Waste



### Renewable Energy

✓ 19.4 % of total power sourced from RE

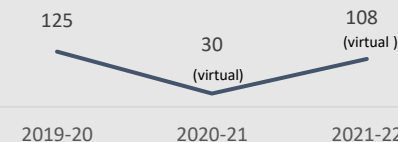
#### %RE of total power consumed



### Supply Chain

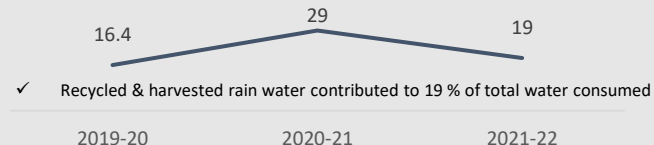
✓ 32 Workshops and 388 supplier assessments through Sustainable Supply Chain Initiative since 2016

#### Supplier assessments



### Water Conservation

#### % freshwater offset





# Driving Net Zero

Phased Transition across our Value Chain



*Tata Motors launched 'AIKYAM', a platform for collaboration, innovation, knowledge sharing and co-creating the Supply Chain Sustainability roadmap aligning to our Net Zero, Circular Economy and Net Zero ambitions.*

Environment

- Co-design metric on **GHG, Water & Waste**
- **Baseline** of activities & validation
- **IT enablement** for seamless data sharing
- **Engage on Safety** with Tier I, handholding for Tier II
- Learn & entrench Tata Motor's **Circular Economy framework**

Social

- Expand Environment coverage to **all Tier I suppliers**
- Expansion of scope to Social and Governance elements of Sustainability to Tier 1s
- Tier 1s to expand agenda to their Tier 1s (TML's Tier 2). Special focus on **Safety**
- **Biodiversity** baseline assessment for Tier 1s
- Co-create **Circular economy framework for supplier partners** - Design for Circular Economy/ Use of recycled components/ Component at a service

Governance

- Expand Environment coverage to **all Tier II suppliers**
- Metric/ baseline /Data sharing
- **Expand Social and Governance** coverage to Pilot **Tier 2** Supplier partners. Tier 1 Partners to lead.
- Special focus on **Safety** for Tier 3, led by Tier 2 - Standards/ Workshops/ Awareness
- Extend **Circularity framework to Tier 2**
- **Biodiversity** baseline assessment for Tier 2s

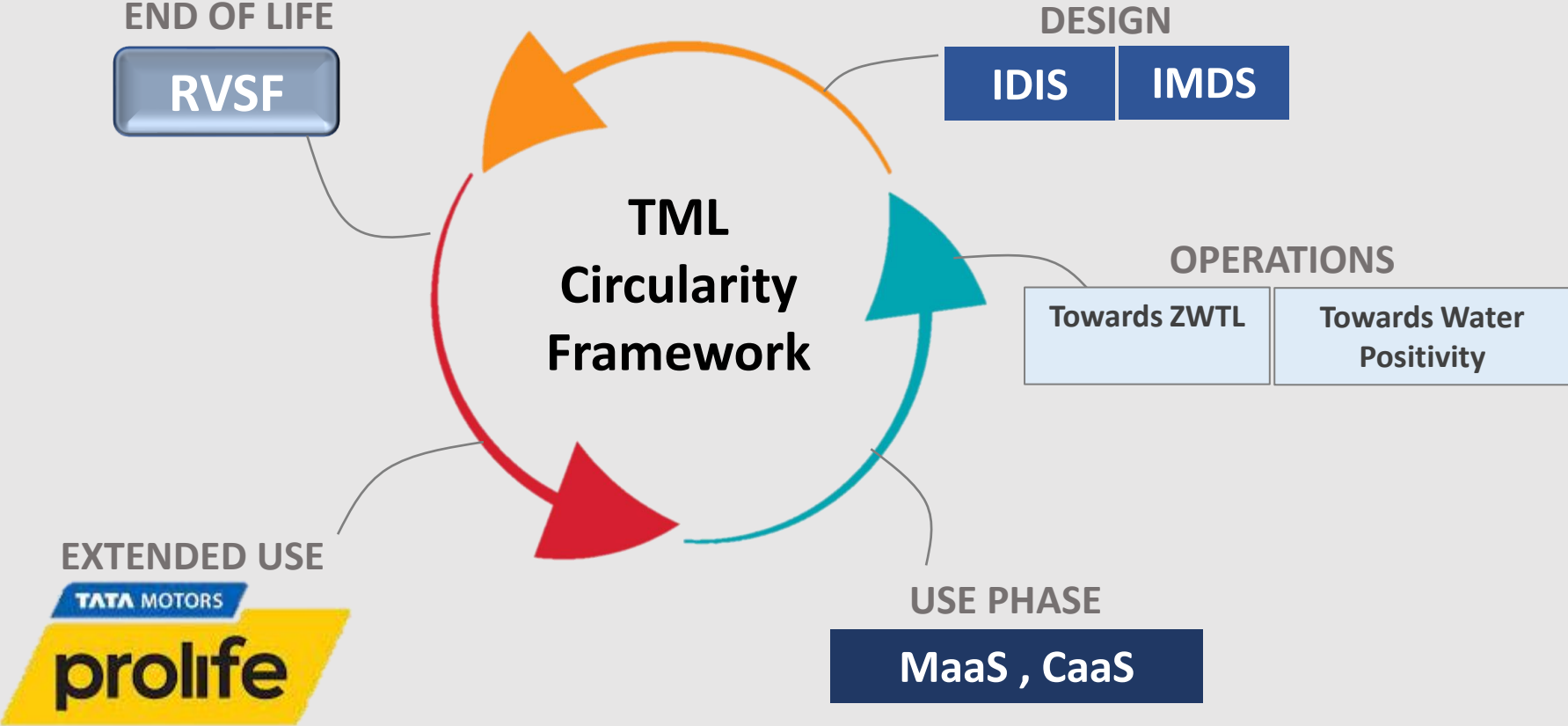
Phase I

Phase II

Phase III

# Pioneering Circular Economy

Framework based approach for holistic transition



# Preserving Nature and Biodiversity

## Going beyond Planting Trees

In FY22 Tata Motors has now planted ~ 1 million saplings across the country as a part of customer touch point initiative. Our Biodiversity and Nature strategy aspires to go beyond, guided by science and leveraging Nature based Solutions to deliver Biodiversity and Community co-benefits.

*Tata Motors Operations sites are already a host to a variety of flora and fauna*



# Safety in Operations

H1 FY23 update

## TRCFR

(Total Recordable Case Frequency Rate)

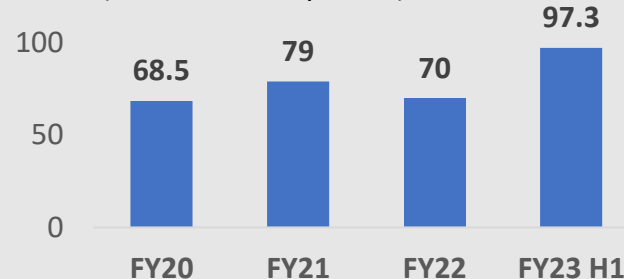


Lower the Better ↓

31% Improvement

## PSI

(Proactive Safety Index)



Higher the Better ↑

## LTIFR

(Lost Time Injury Frequency Rate)



Lower the Better ↓

39% Improvement

Benchmark	LTIFR/ <u>TRCFR</u>
Tata Steel	0.59
Tata Chemicals	0.87 (Workers)
Honda (Japan)	0.14
GM Global	2.28 (Employees) ; 0.33 (Contractors)
JLR	0.10
HUL	<u>TRCFR 0.31</u>
Sandvik Group	LTIFR 1.5; <u>TRCFR 3.5</u>

Source: Company websites and annual reports

TRCFR/LTIFR =  $\frac{\text{No. of TRC/LTI Incidents} \times 1000000}{\text{Total man-hours worked}}$

LTI- Lost time injury  
FAC- First aid case

RWC - Restricted work case  
MTC- Medical treatment case

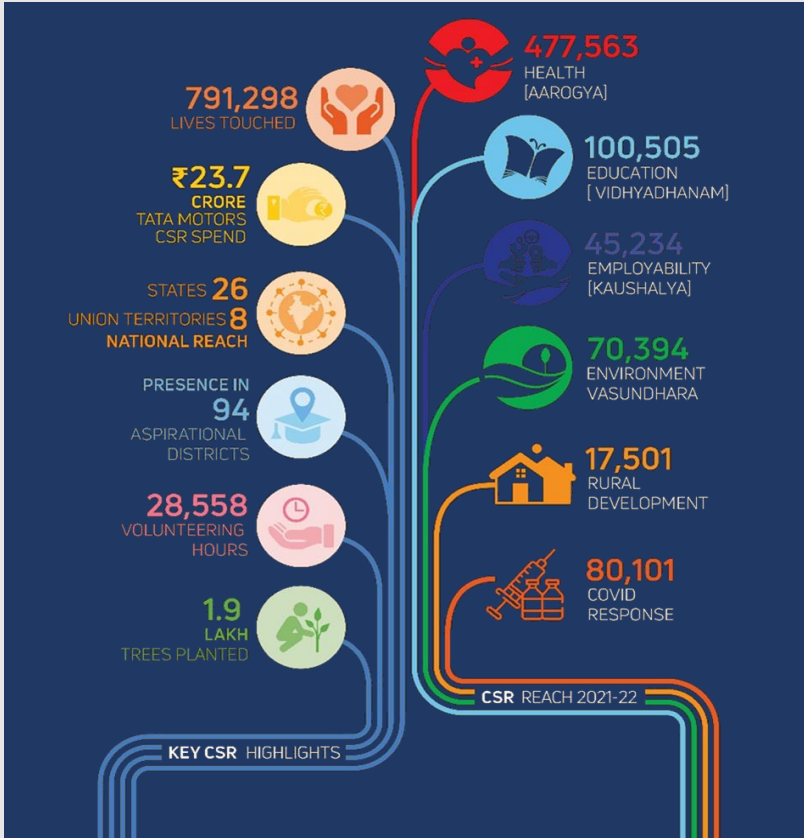
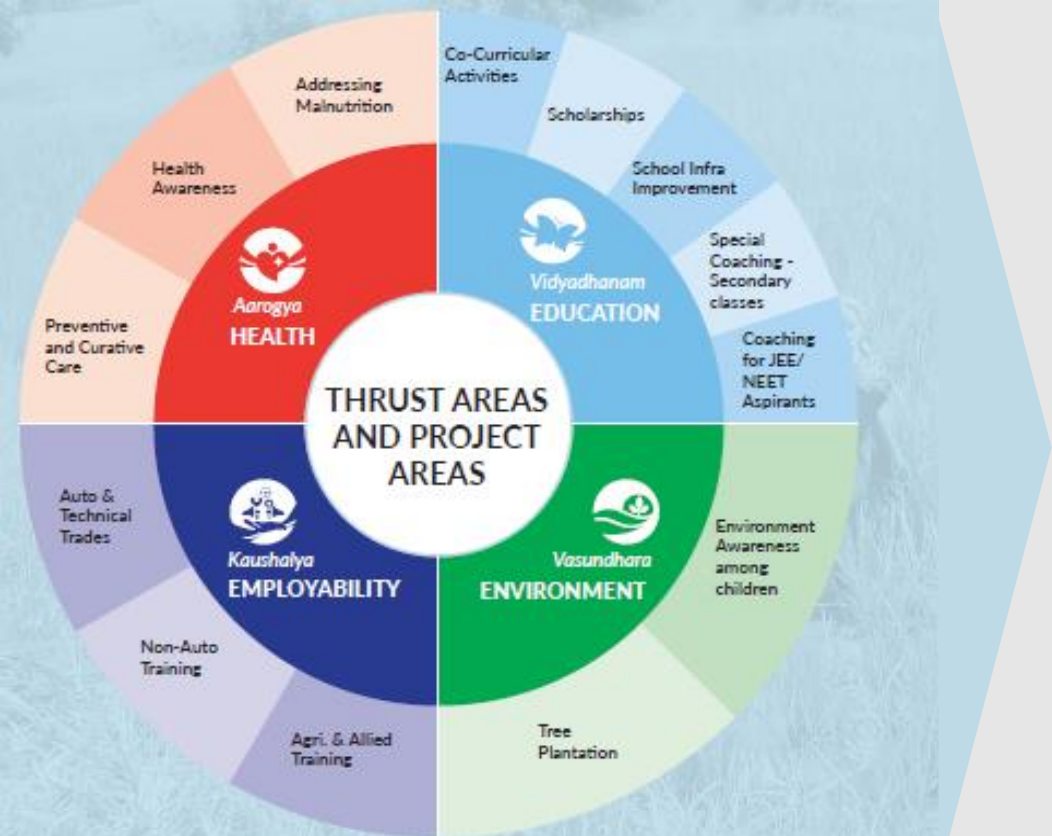
FAT- Fatality

\*Proactive Safety Index: A Combination of Leading Indicators (67%) and Lagging Indicators (33%).

**Fatality free 1 year completed. Injury rates decreasing as a result of implementation of “Zero Incident Plan”**

# CSR

## Highlights



Being a responsible corporate citizen driving inclusive growth, social equity, sustainable development and nation-building



# Tata Group Synergy

Leveraging the TATA UniEVerse

## TATA UniEVerse

### TATA POWER

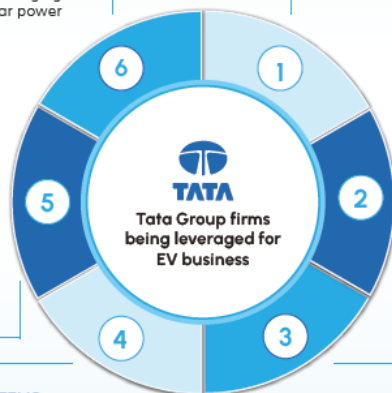
- India's leading player in the EV charging space
- Home charging installation support in all cities to support Tata Motors EV customers
- ~ 2000 public chargers established, providing charging solutions based on solar power

### TATA CHEMICALS LIMITED

- Cell development and local manufacturing
- Technical partner for evaluating establishment of Lithium-ion cell manufacturing plan
- Operation for pilot plant for Li-ion battery recycling

### TATA MOTOR FINANCE

- Structured solutions for fleet buyers to drive EV adoption including subscription and leasing
- Support in designing innovative financing solutions at attractive pricing by incorporating residual value financing



### TATA CONSULTANCY SERVICES TATA ELXSI

- Partners for driving advanced research and product design especially with respect to ADAS systems and connected car tech
- EVs are expected to get more sophisticated in future, requiring dedicated design teams

### TATA AUTOCOMP SYSTEMS

- Collaborated and completed localising EV powertrain components in-line with phased manufacturing plan
- In addition, all our models have also qualified for 50% domestic value addition requirement specified by the government in order to avail incentives going forward
- Operation of battery assembly plant for Nexon & Tigor

### TATA DIGITAL

- Tata Digital as partner for building integrated digital platform across Tata companies to drive user experience and enable cross-selling of Tata Motors EV products

*Through Tata UniEVerse, we have synchronized efforts to develop a holistic e-mobility ecosystem to accelerate the adoption of EVs in India. Powered by Tata UniEVerse, consumers have access to a suite of e-mobility offerings including charging solutions, innovative retail experiences and easy financing options.*

# ESG Scores

Improving ESG scores as a testament to our efforts

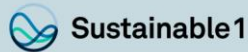
**Tata Motor Limited**  
Automobiles

## S&P Global ESG Score 2022

**64** /100

As of November 11<sup>th</sup>, 2022  
Scores are industry specific.  
Learn more at [spglobal.com/esg/scores](https://spglobal.com/esg/scores)


**S&P Global**



**A significant jump of over 18%**  
from our FY21 score

**The improved scores are a reflection of the clear ambition and commitment shown by the leadership including translating into strategic actions and tactical delivery across the Business**





Thank you  
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