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# Technology and Innovation for Green Business: From Niche to Mainstream

## Tata Group Initiatives





# About the Tata Group

FY16: Revenues of \$103 Bn

Owner of iconic brands such as Jaguar Land Rover , Tetley, Tata Consulting Services, Tata Steel



Comprising over 100 operating companies in more than 100 countries across 6 continents

Employee Base of 600,000 +

# Tata Group Sustainability Stance

WHAT

HOW



**A. Governance Structure**

**B. Sustainability Material Issues**

**C. Capability and Culture Building**

**D. Measurement & Review**

# A. Sustainability Governance Structure



## Tata Global Sustainability Council

*provides strategic direction and priority for Tata companies to be global leaders in sustainability.*



## Sustainability Working Committee



Advise TGSC on group level policies and processes for mainstreaming Sustainability



Play a responsible Advocate Role – interfacing with Govt., international bodies, forums etc.

# B. Sustainability- Material Issues

## Climate Change

- Mitigation
- Adaptation
- LCA & Product Labelling

## Water Stewardship

- Plant
- Watershed

## Disaster Response

- Rescue & Relief
- Rehabilitation

## Energy

- Plant Efficiency
- Building envelope

## Resource Productivity & Circularity

## Group CSR Programs

- Skilling program
- Education

## Natural and Social Capital

- Shaping of Protocol
- Applying Natural Capital Protocol

## Volunteering

- Task & Skill based Volunteering
- Event based Volunteering

## Supply Chain Sustainability

# C. Capacity & Culture Building

150

*Cambridge programme alumni*



500+

*Carbon & Energy champions*

50+

*Disaster Management Project Managers*



180

*Trained water champions*

30

*Natural Capital champions*



# D. Measurement and Review

## TBEM ASSESSMENTS



## TATA SUSTAINABILITY ASSESSMENT FRAMEWORK



## GROUP KPIs

Issue	KPI	Unit
<b>Board / Advisory Council</b>	Oversight of sustainability commitments	Board level committee
<b>Reporting</b>	Reporting using global framework	Annual Report
<b>Emissions</b>	Carbon Emission intensity	t CO <sub>2</sub> e/ unit of product or service
<b>Energy</b>	Energy use intensity Share of Renewable Energy	GJ/unit of product or service % of Renewable Energy
<b>Water</b>	Water consumption intensity Proportion of waste water discharged	m <sup>3</sup> /unit of product or service % of waste water discharged
<b>Solid waste</b>	Proportion of waste sent to landfill	% of waste generated
<b>CSR programme coverage</b>	Total coverage by CSR programmes	Reach in Nos
<b>Volunteering</b>	Volunteering	Hours per capita
<b>Suppliers</b>	Compliance with social, safety, human rights, environment norms	% Tier 1 & 2 suppliers
<b>Distributors</b>	Compliance with social, safety, human rights, environment norms	% Tier 1 distributors
<b>Employees</b>	Gender Diversity (as defined by Group HR)	% of workforce
	Safety (Lost time Injury rate)	LTIFR
<b>Product &amp; service Stewardship</b>	Total R&D Investment in low-carbon technologies	% of Total Revenue





# Green Initiatives



- A. Use of Renewable Energy** – Tata Power, Tata Chemicals, Tata Motors, TCS, Tata Steel
- B. Clean & Efficient Technologies** - Tata Steel, Tata Power, Jaguar Land Rover
- C. Green Buildings & Factories** - Bombay House, TCS, Jaguar Land Rover
- D. Green Products** – Tata Motors, JLR, Tata Housing, Voltas, Tata Steel – Tata Shaktee Nest-in
- E. Demand Side Management** – Tata Power, Tata Motors, Indian Hotel Corporation Limited
- F. Green Financing** – Tata Cleantech Capital, Tata Motors Finance





# Natural Capital Valuation

**A.**

On July 13, 2016, the world's first Natural Capital Protocol was launched in London.

The Tata group is one among 50 leading global companies to pilot the Natural Capital Protocol across four group companies – Tata Power, Tata Steel, Tata Chemicals and Jaguar Land Rover and share its findings during the launch.

**B.**

Six group companies – Tata Power, Tata Steel, Tata Chemicals, Tata Motors, Tata Coffee and APPL have undertaken NC valuation for their entire business





# Circular Economy Philosophy



**REALCAR (Recycled Aluminium Car)** is a partnership between Jaguar Land Rover and Novelis which has enabled 50,000 tonnes of press shop aluminium scrap – equivalent to saving approximately 500,000 tonnes of CO2 – to be recovered over the last year.



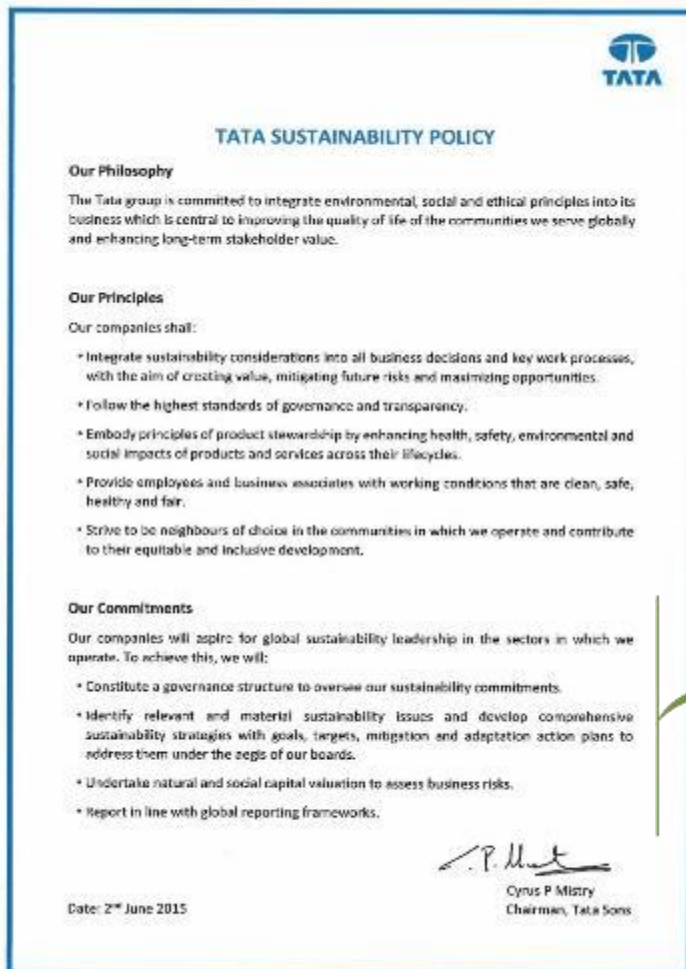
**InMotion** is an independent venture from Jaguar Land Rover, developing and investing in new technologies, business models and entrepreneurs to deliver innovative transportation services that meet the new needs of everyday.



**Tata Motors Prolife** Tata Motors buy backs or exchanges used vehicle parts like the engine, gear box, or alternators and then remanufactures the returned part and offers the remanufactured product with a warranty.

Thank You

# Tata Sustainability Policy



The image shows the cover of the Tata Sustainability Policy document. It features the Tata logo at the top right. The title "TATA SUSTAINABILITY POLICY" is centered. Below the title, there are sections for "Our Philosophy", "Our Principles", and "Our Commitments". A green arrow points from the "Our Commitments" section of the document to the right-hand slide.

**TATA**

**TATA SUSTAINABILITY POLICY**

**Our Philosophy**

The Tata group is committed to integrate environmental, social and ethical principles into its business which is central to improving the quality of life of the communities we serve globally and enhancing long-term stakeholder value.

**Our Principles**

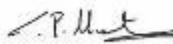
Our companies shall:

- Integrate sustainability considerations into all business decisions and key work processes, with the aim of creating value, mitigating future risks and maximizing opportunities.
- Follow the highest standards of governance and transparency.
- Embody principles of product stewardship by enhancing health, safety, environmental and social impacts of products and services across their lifecycles.
- Provide employees and business associates with working conditions that are clean, safe, healthy and fair.
- Strive to be neighbours of choice in the communities in which we operate and contribute to their equitable and inclusive development.

**Our Commitments**

Our companies will aspire for global sustainability leadership in the sectors in which we operate. To achieve this, we will:

- Constitute a governance structure to oversee our sustainability commitments.
- Identify relevant and material sustainability issues and develop comprehensive sustainability strategies with goals, targets, mitigation and adaptation action plans to address them under the aegis of our boards.
- Undertake natural and social capital valuation to assess business risks.
- Report in line with global reporting frameworks.

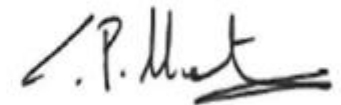
  
Cyrus P Mistry  
Chairman, Tata Sons

Date: 2<sup>nd</sup> June 2015

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