



**Report of Activities of
TERI Council for Business Sustainability**

1 April, 2018 to 31 March, 2019

Thought Leadership Webinar Series

The Thought Leadership Webinar series of TERI Council for Business Sustainability (CBS) for Indian companies offers industry expertise and thought leadership on a wide range of topics relevant to sustainability landscapes and share knowledge and encourage conversations with landscape professionals from around the country and across the globe. This series is intended to promote meaningful engagement with our Council members.

First webinar

Theme	Transitioning towards a low carbon future of energy in India	
Date: 11th April 2018	No. of Registered Participants: 63	

The webinar featured a video message from Lord Adair Turner, the chair of Energy

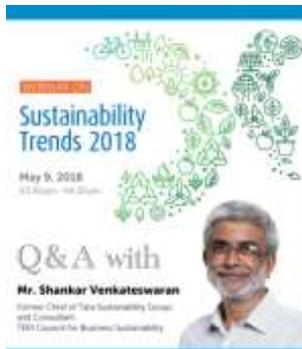


Transition Commission - International, on the global transition scenario and a presentation by Dr. Ajay Mathur, Director General of TERI, on the Indian perspectives. The webinar addressed several queries regarding the course of the transition and the direct or indirect disruptions it would bring about in the Indian energy sector and how the Energy

Transitions Commission India could play a crucial role in preparing India for these changes.

Second webinar

Theme	Sustainability Trends 2018	
Date: 09th May 2018	No. of Registered Participants: 49	



The webinar discussed global sustainability trends highlighting the key developments that business leaders need to anticipate and respond to. This webinar shed light on these complex trends and risks; empowering companies to create strategies that can unlock new opportunities for both sustainability and their bottom line. The webinar featured a video message of HE Mr Laurent Fabius, Former President of COP21 & UN Environment Patron on Environmental Governance and a presentation of Mr. Shankar Venkateswaran, former Chief of Tata Sustainability Group and Consultant, TERI CBS.

Third webinar

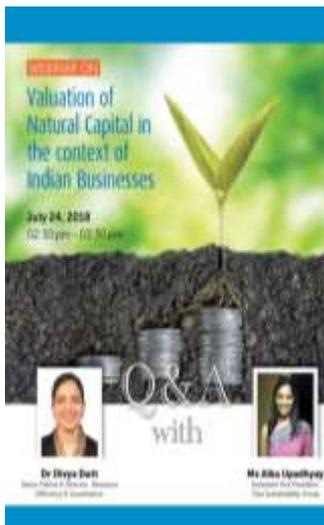
Theme	Sustainability in Supply Chain
Date: 11th July 2018	No. of Registered Participants: 64



Businesses have now started to extend their commitments on sustainability towards their supply chains in lieu of tangible and lasting benefits to business, the environment and societies, in which they operate. The webinar focused on the imperatives of supply chain sustainability. The webinar featured a video message of Prof Jeffrey Sachs, Director, Centre for Sustainable Development, The Earth Institute, Columbia University and presentations by Mr. Kanishk Negi, Global Supply Sustainability Manager, GF-Quality & Operations, ABB India Limited and Mr Srinivasulu Patti, Head - Procurement, South Asia, BASF.

Fourth webinar

Theme	Valuation of Natural Capital in the context of Indian Businesses
Date: 24th July 2018	No. of Registered Participants: 43



Natural capital valuation demonstrates where and how investing in natural capital, such as water regulation and purification and natural hazard regulation, can generate considerable cost savings and avoided expenditures. It can also help companies get a better picture of what their assets are worth and points to opportunities for generating more income or earning a better return from such assets. The webinar featured a video message of Dr. Pradeep Monga, Deputy Executive Secretary, United Nations Convention to Combat Desertification (UNCCD) and presentations by Dr. Divya Dutt, Senior Fellow & Director - Resource Efficiency & Governance, TERI and Ms. Alka Upadhyay Assistant Vice President, Tata Sustainability Group.

Fifth Webinar

Theme	Circular Economy An Opportunity for Indian Businesses	
Date: 14th August 2018	No. of Registered Participants: 90	



The webinar enabled participants to implement use-and-reuse Circular Economy design and business practices by recognising value of the generated waste by bringing them again in the system, maintaining products for longer and using from one product to maintain another. The webinar featured presentations and discussions by Mr. René VAN BERKEL, UNIDO Representative Regional Office, India; Mr. Anirban Ghosh, Chief Sustainability Officer, Mahindra Group; Mr. P. Palaniappan, Head, Mahindra Waste to Energy Ltd. (MWEL); Mr. Nasir Deshmukh, Senior General Manager, Igatpuri Plant, Mahindra and Mahindra; and Ms. Sonali Porwal, Manager (Business development), Mahindra

Accelo Ltd.

Weblink to download recorded version of the webinars is <http://cbs.teriin.org/webinar.php>

Sixth Webinar

Theme	How Cool are Green Buildings in India?	
Date: 10th October 2018	No. of Registered Participants: 105	



Given India's commitment under the Paris Agreement and the Kigali Agreement, there is a surge in the usage of HVAC systems in India is being coupled with the potential to embed energy efficiency features and use of cost-effective low GWP refrigerants. The National Building Code has requirements on the use of zero-ODP and low-GWP refrigerants. In the green building space this assumes immense importance. This webinar was focused on this transition and captured the leadership initiatives among Indian businesses. The webinar featured presentations and discussions by Mr Randal Newton, Vice President - Enterprise Engineering, Ingersoll Rand, Dr. M. Muthukrishnan, Head – Environment, Delhi International Airport Limited (DIAL) and Mr Akash Deep,

Program Manager, GRIHA Council.

Seventh Webinar

Theme	COP 24 and implications for Indian Businesses	
Date: 28th February 2019	No. of Registered Participants: 60	



The UN Climate Change Conference (COP24) in Katowice, Poland, has concluded three-year international negotiations by agreeing on a rulebook to implement the Paris agreement. The agreements reached will apply equally both to developed and developing countries in assessing and reporting greenhouse gas emissions that will take effect in 2024 and global performance assessment (stocktake) to take place every five years starting from 2023.

The NDC (Nationally Determined Contributions) commitments have become one of the main drivers for economic development in the country since 2015. India has shown impressive progress so far with declining emissions intensity rates and rapid rise in renewable

energy capacity, investments and policy development. Continuing this progress is a matter of particular importance for India and would require the evolution of balanced climate actions to keep a healthy balance between national developmental needs and international obligations.

Key issues discussed are 1) Outcomes of COP24 and enhanced domestic actions on climate change by India, 2) Highlights of the rulebook for implementing the Paris Agreement and implications of corporate reporting and disclosure on climate actions and 3) Opportunities arising for Indian businesses from cooperation amongst Parties on finance, technology and capacity building.

TERI CBS Knowledge articles and blogs

Knowledge Articles

Discussion paper: Challenges and opportunities - plastic waste management In India

The Discussion Paper, released by the Ministry of Environment, Forests and Climate Change on World Environment day 2018, lays out the challenges and opportunities in terms of collection, segregation and recycling of plastic waste in order to waste proof the future.

'Better Energy, Greater Prosperity' - Energy Transitions Commission Report

The flagship report sets out achievable pathways to limit global warming to well below 2°C while stimulating economic development and social progress.

'Transitions in Indian Electricity Sector' - TERI Report

TERI reports on all-India level demand projections up to 2029-30 and deliberates on the energy mix and renewable energy share in it.

Release of TERI Energy Data Directory and Yearbook (TEDDY)

The 32nd edition of TERI Energy Data Directory and Yearbook (TEDDY) was launched in New Delhi on April 3 and provides companies with a compilation of energy and environment data from various government sources, policy documents and other secondary data

'Circular Economy - A business imperative for India'

The TERI- YES Bank report offers a self-evaluation tool for business to optimize resources at product & organization level.

'Electric Mobility Paradigm Shift: Capturing the Opportunities'

In collaboration with Yes Bank, this study identifies the barriers impeding the large scale adoption of the identified front runners in this segment.

Blogs:

1. Shankar Venkateswaran: The Evolving role of the Chief Sustainability Officer in India

- Indian companies have always recognised their responsibilities to communities and have acted on them well before CSR was mandated by law. However, environmental issues have tended to be seen from a compliance perspective.

2. A Tomorrow unlike Yesterday: Transitions in the Energy Sector in India -

Arupendra Nath Mullick, Vice President - TERI CBS reflects on ETC India and its impact

TERI CBS Thought Leadership Report

Sustainability Super Trends 2018

Transformation, Momentum and Collaboration emerge as the keywords for Indian companies exhibiting their leadership on sustainability. The term "sustainability" having reached boardrooms, the practices is being increasingly mainstreamed.



The TERI CBS report captures the Sustainability Super Trends of 2018 that - CEOs, Business Heads, Chief Sustainability Officers and/or such designated officers leading sustainability function - should be cognizant about. These trends become vital while shaping sustainability roadmaps and materiality evaluation for Indian companies. The Report argues that as more companies understand the link between economic prosperity and environmental-social

aspects, the importance of including sustainability in business strategy and growth is increasing. Accompanied with the Sustainability Super Trends, the Report articulates key response actions that Indian businesses must take to demonstrate its foresight and preparedness on sustainability maturity.

<http://cbs.teriin.org/pdf/sustainability-trends-2018-report.pdf>

A-Z of Sustainability

"A-Z of Sustainability" is our endeavour to provide a repository of words and phrases - comprising a range of environmental, social and economic topics - that could be useful and contemporary and useful for sustainability professionals. For accurate and transparent



accounting of sustainability plans and performance and to enhance stakeholder confidence; businesses have chosen sustainability reporting as an established communication tool. Terms like sustainability strategy, management commitment,

materiality, neutrality etc. are commonly being used within the sustainability domain.

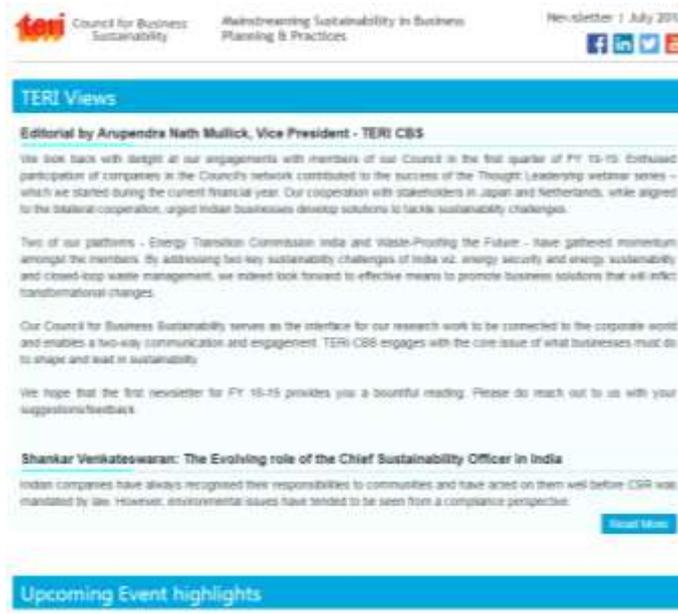
Professionals often use several terms and jargons in this domain to express and articulate an array of concepts. These are commonly being used in the business reports, scientific journals/papers, policy documents, and even in the mainstream media.

The first draft was uploaded on the CBS website at <http://cbs.teriin.org/publication.php> The detailed version will be uploaded by December 31, 2018.

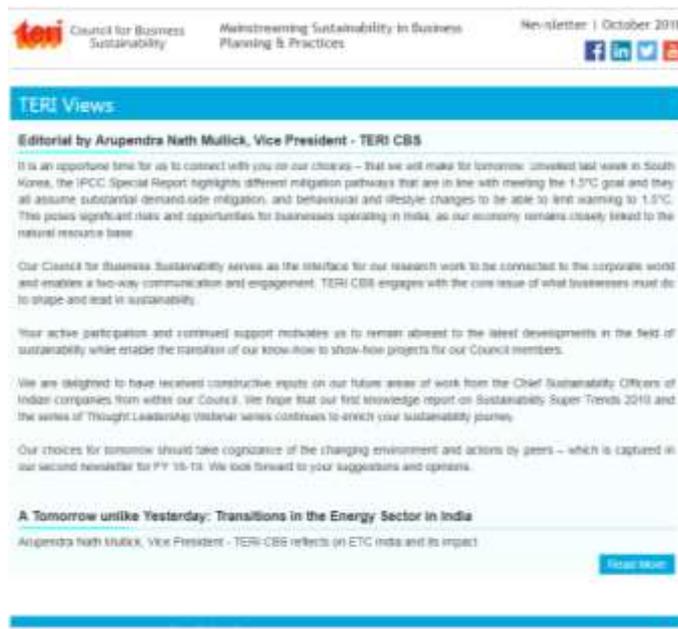
TERI CBS e-Newsletter

TERI-CBS newsletter releases highlighting upcoming events, relevant news, knowledge articles and blogs.

- [TERI-CBS newsletter 'A world abuzz with sustainability', August 2018](#)

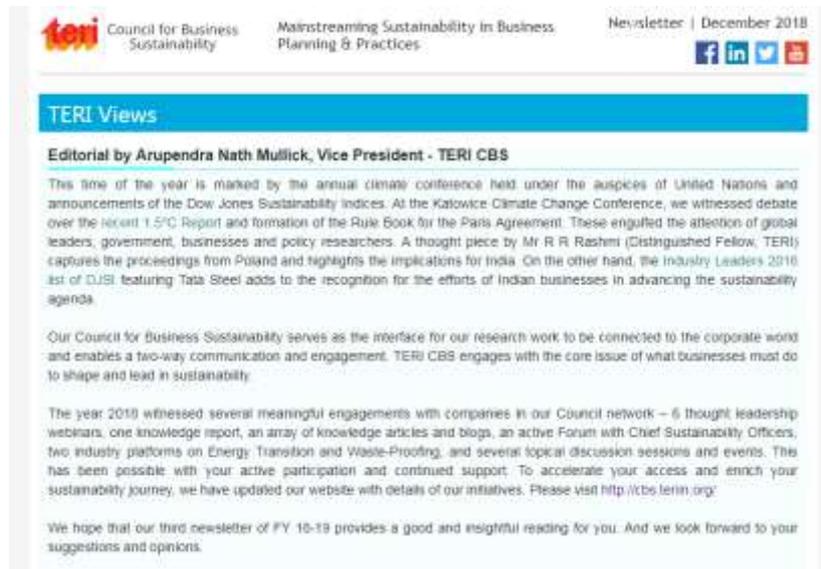


- [TERI-CBS newsletter 'A world abuzz with sustainability', October 2018](#)

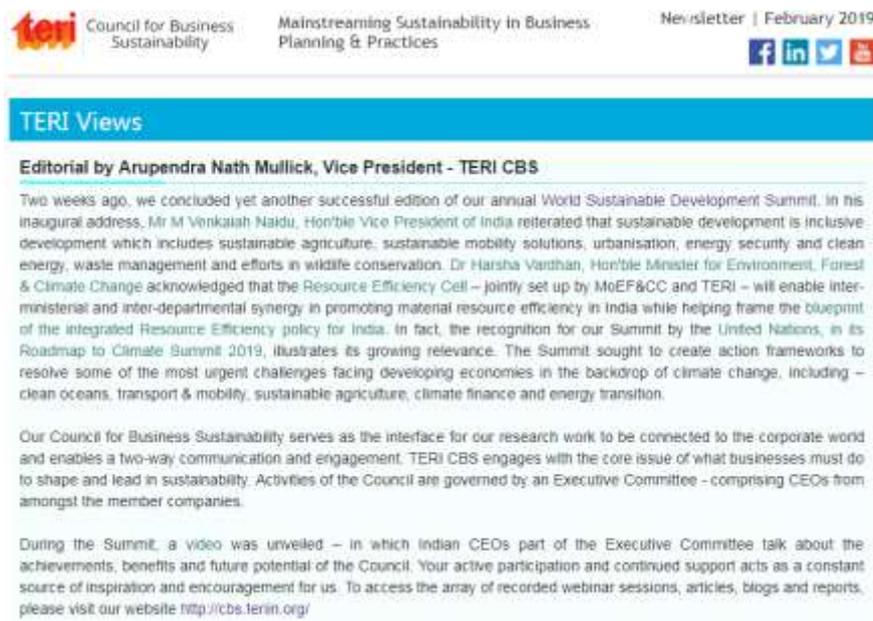


TERI CBS e-Newsletter

- [TERI-CBS newsletter 'A world abuzz with sustainability', December 2018](#)



- [TERI-CBS newsletter 'A world abuzz with sustainability', February 2019](#)



TERI CBS Executive Committee Meeting

TERI Council for Business Sustainability (CBS) serves as the interface for TERI's research work to be connected to the corporate world. TERI CBS engages with the core issue of what businesses must do to shape and lead in sustainability. Activities of the Council are governed by an Executive Committee from amongst member companies.

A meeting of the Executive Committee (2019-21) of TERI CBS was held on 14th January 2019 in New Delhi. The Ex-Com Co-Chairs Mr R Mukundan, Managing Director, Tata Chemicals Ltd and Mr Mahendra Singhi, Managing Director and CEO, Dalmia Cement (Bharat) Ltd presided over the meeting alongside Dr Ajay Mathur, Director General, TERI and President of TERI CBS.



The Executive Committee governs the activities of the Council and comprises CEOs from amongst the Council's member companies. The meeting was attended by CEOs and other

Executive Committee members. Mr A K Jain, Additional Secretary, Ministry of Environment, Forests & Climate Change, Government of India was a special invitee for the Ex-Com meeting. Mr Jain interacted with the Ex-Com members on potential areas of synergies and where TERI CBS can play a leadership role.

Indian CEOs talk about the TERI Council for Business Sustainability

TERI Council for Business Sustainability serves as the interface for TERI's research work to be connected to the corporate world. TERI CBS engages with the core issue of what businesses must do to shape and lead in sustainability. Activities of the Council are governed by an Executive Committee from amongst member companies. Indian CEOs part of the Executive Committee talk about the achievements, benefits and future potential of the Council.



<https://www.youtube.com/watch?v=oXcyJulDc6Q>

Meeting of TERI CBS Chief Sustainability Officers' Forum

TERI CBS organised the meeting of Chief Sustainability Officers on August 28, 2018 at TERI Retreat, Gual Pahari. India's leading chief sustainability officers engage with TERI through its Council for Business Sustainability (CBS) aiming to strengthening the business case for sustainability for the corporate whilst ensuring on-ground implementation of co-created project ideas on issues of materiality for respective organizations. The meeting had two sessions- **Knowledge sessions** provided insights on emerging trends and global developments on sustainability; **Action and consultation sessions** provided access to tools, methodologies and practices for the Sustainability Officers.



Participating colleagues from 25 different companies witnessed practitioner's perspectives on emerging sustainability trends in corporates, energy transition in India and green investments as well as tools and methodologies to enhance company performance on sustainability. Participating colleagues were also asked to provide suggestions on how better can CBS engage with its member companies and what priority areas should be focused in the future. Specific suggestions were provided under the following broad activities/services: (a) Knowledge Products, (b) Business solutions to national problems, (c) Technology Discourse: and (d) Policy Dialogues.



http://cbs.teriin.org/cso_forum.php

Summits and Events

India-Japan Industry & Energy Seminar

On May 1, NEDO held the India-Japan Industry & Energy Seminar in coordination with the Japan External Trade Organization (JETRO), India's foremost economic organization The Confederation of Indian Industry (CII), and The Energy and Resources Institute (TERI).

The Energy Session in this seminar featured two panel discussions by experts in the public and private sectors. In the first half of the session the panel focused on measures to reduce air pollution from the energy sector. The session introduced technical countermeasures dealing with coal-fired thermal power generation, biomass energy, and a modal shift to

public transportation. Plans for achieving Clean Air India were also discussed.



In the latter half of the session, discussion focused on measures for grid stabilization technology in the electric vehicle (EV) era. As both countries move forward with the large-scale implementation of renewable energy, it will be vital to avoid instability in the power grid. In light of this, participants

discussed the necessity of implementing virtual power plants (VPP) by tying EVs into the grid, and carrying out remote integrated control using energy management technology.



At the beginning of the seminar, NEDO Chairman Hiroaki Ishizuka delivered the opening remarks, then Minister of Economy, Trade and Industry, the Government of Japan, Hiroshige Seko, and Ajay Kumar Bhalla, Secretary of the Ministry of Power, the Government of India gave special lectures. Approximately 300 people attended the seminar.

Before the seminar, chairman Hiroaki

Ishizuka also attended the 9th India-Japan Energy Dialogue co-chaired by the Minister of Economy, Trade and Industry, and Minister of State for Power and New and Renewable Energy Shri Raj Kumar Singh.

<http://www.teriin.org/event/india-japan-industry-energy-seminar>

http://www.nedo.go.jp/english/whatsnew_00034.html

India Sustainability Leadership Summit 2018

Frost & Sullivan and The Energy and Resources Institute (TERI) co-hosted the “India Sustainability Leadership Summit 2018” and “Sustainability 4.0 Awards 2018” on



June 01, 2018 in Mumbai. The summit saw industry experts and dignitaries from numerous establishments and Government bodies deliberated ideas, solutions, and technologies across industry vertical towards building sustainable economies. Visionaries and Business leaders further discussed various programs and schemes launched and implemented by the Indian Government for achieving the SDG agenda across economic, social and environmental pillars were few of the topics discussed during the Summit. The sessions also highlighted the importance of enabling communities and empowering local authorities and government to implement sustainable living. The summit witnessed

several senior industry doyens– Dr. Ajay Mathur, Director General, TERI, PK Nagpal, Executive Director, SEBI, RR Rashmi, former Additional Secretary, Ministry of Environment, Srinath Komarina, President, Responsible Banking, Yes Bank Ltd., Satish Mandhana, Managing Partner – Private Equity and Sustainable Initiatives, IDFC Alternatives Ltd. and to name a few.

Gala Evening of Sustainability 4.0 Awards

The ninth edition of “Sustainability 4.0 Awards” recognized 19 winners showcasing transformational growth focusing on environment and sustainability. The



Sustainability 4.0 Awards assessment model comprises of four major parameters (4P - Model) and thirteen sub-parameters, recognizing the efforts of front runners via a thorough benchmarking process. The model also takes into consideration global sustainability frameworks and future requirements of reporting.

This year’s Sustainability 4.0 Awards were presented to companies in three major

categories: Leaders, Challengers and Believers. **“Reliance Industries Limited”** received the highest accolade - **Sustainable Corporate of the Year Award** along with **“Mahindra & Mahindra Limited”**, which received the **Sustainable Factory of the Year Award**. **“Mahindra & Mahindra Limited”** also won the **Safety Excellence Award** - Mega Large Business, Automotive Sector.

Tools and Practices to advance sustainability journeys for businesses

TERI's association with INDUS Forum

The INDUS Forum is collaboration between Dutch Embassy, MVO Nederlands and TERI. It was conceived as the platform for responsible entrepreneurship, involving companies and practitioners from India and the Netherlands to maintain the framework of Planet, People, and Profits. A growing trend of product innovations coupled with an increasing awareness of sustainability can result in a positive impact on people, while creating new, responsible, and profitable trade relations.



Currently the INDUS forum community boasts 31 Challenges and 19 Solutions across 38 Companies.

TERI-CBS in partnership with Dutch Embassy and MVO Nederlands hosted an INDUS Forum event on 'Smart Solutions for our shared challenges' on May 24th, at Taj Diplomatic Enclave, Delhi. During this event, Dutch companies pitched sustainable business solutions for the Indian market and were introduced to Indian companies so that a shared collaborative approach could be undertaken for implementation.

Member companies of the Council contributed several challenges and solutions pertaining to sustainability. These contributions are hosted on the online INDUS Forum community. A variety of topics are covered – demand aggregation for solar rooftop, range-anxiety for electric vehicles, using farm stubble as fuel for power generation, increasing the use of biofuels etc.

TERI's association in Making Lakmé Fashion Week a Carbon Neutral event

World-class events offer a unique platform to raise awareness and highlight social and environmental concerns on a global scale. Staging such events requires careful consideration of all its impact on society and the environment ensures a balanced approach and sustainable outcome.

Lakmé Fashion Week (LFW) is jointly organized by Lakmé, and IMG Reliance Ltd., leader in sports, fashion and entertainment marketing and management. LFW has been conceived and created with a vision to "Redefine the future of fashion and integrate India into the global fashion world." LFW is organized twice every year. Over the years LFW has evolved and currently engages with a wide range of stakeholders in the fashion industry and its

value chain including the designer and artisan community, textile and fabric manufacturers, retail brands, thought leaders, media.

Increasingly the global fashion industry is exhibiting its its efforts to cut out the waste and greenhouse gas emissions in its production, supply and customer behavior which in turn plays a significant part in the linked problems of climate change and sustainability. Brands are adopting various climate and sustainability approaches, including by measuring their climate impact and looking beyond the first tier of suppliers, integrating sustainability in core business practices, making efforts to bring transparency to the supply chain and applying a variety of innovative solutions. Making LFW a carbon neutral event demonstrates the leadership of the organizers, while aligning to India’s commitment to the Paris Agreement on Climate Change.

TERI's association with - An idea called Magarpatta City

India occupies 2.4 percent of the total land area of the world, but supports 17 % of the world population. In this era of rapid urbanization, it is of paramount importance to build cities or modify their existing infrastructure taking consideration of the resilience of these cities i.e. ability to respond environmental stresses and charting on the path of self-sustainability. One such fine example of grit and innovation where farmers laid the foundation of such novel model – integrating people, purpose and planet right from the conceptualization stage is Magarpatta City.

The Magarpatta Township Development and Construction Company Ltd (MTDCCL), was honoured with “Asia’s Best First Time Sustainability Report- Award, held in Singapore in March-2019. The awards ceremony was hosted by the British High Commissioner in Singapore H.E. Scott Wightman and was attended by dignitaries from diverse fields. The ethos of the Magarpatta city in the environmental domain can be traced as the city fulfills its comprehensive energy needs by waste to energy plant and solar roof-top; reduces the burden of the municipal corporation by curbing fresh water demand through waste water treatment and rain water harvesting. Thirty cent of the total area is under green cover and is an essential support for the smart transportation facilities in the city – that are based on walk to work, walk to school concept.



Mr Satish Magar,
Managing Director -
Magarpatta
Township
Development and
Construction
Company Ltd
(MTDCCL) accepting
award for Asia’s Best
First Time
Sustainability Report

held at Singapore in March 2019

The economic and social dimensions along with the environmental adopting the precautionary approach from the inception resulted in direct and indirect benefits to over one lakh people, embraced the community development by providing them with employment, education and basic health facilities to the marginalized group of society. Fostering inclusive development in order to be an ecological rich society is the transition that we should collectively aim and bring together our wisdom and resources to replicate such sustainable models.

The Sustainability Report for the Magarpatta City was prepared by TERI, in alignment with the Global Reporting Initiative (GRI) Standards. The report can be accessed at [Magarpatta's First Sustainability Report \(2017-18\)](#).

TERI's association with SDGXchange

SDGXchange is a hands-on strategy tool aimed to assist companies in creating outside-in business opportunities through positive contributions to the United Nations Sustainable Development Goals (SDGs). This is accomplished through: Translating the SDGs into local business relevance and prioritizing relevant sustainability issues with the Gap Frame methodology; Creatively reflecting and prioritizing based on true business sustainability; Co-innovating new strategic business opportunities beyond current business activities for long-term strategic opportunities.

The SDGXCHANGE equips organizations with a process that provides guidance and support on how to change from an inside-out to an outside-in perspective, and how to embrace true business sustainability into their core strategies. The SDGXCHANGE methodology differentiates itself through the GRIPS approach which addresses not only the knowledge dimension like most other methods, but also offers hands-on support and solutions in the activities dimensions.

During FY 18-19, the SDGXchange methodology was pilot tested with Tata Chemicals Ltd to evaluate the relevance in the Indian context .

Engagements with Consortium Members of Waste-Proofing the Future

Launch event during World Environment Day 2018

The first phase of TERI's Consortium on Waste-Proofing the Future, was launched on World Environment Day 5th June 2018, and will focus on plastic packaging waste, with a special focus on single-use packaging.

The overall objective of the Consortium is:

“To pursue technological, institutional and policy interventions required for sustainable management of all forms of waste through a multi-stakeholder approach”

The launch of the consortium featured a pledge by Consortium members showcasing their commitment to the envisioned goals. The strategic objectives envisioned for the consortium along with proposed technological, policy and outreach interventions are:

- Responsible Use and Disposal
- Sustainable Substitutes
- Grassroots and Outreach Actions

Meeting of Consortium members

A presentation on the Waste Consortium and next steps was made on August 21st to all present Consortium members. Discussions were conducted on various points such as the Consortium's strategic objectives, proposed technical / research agenda, action points and funding sources for the consortium.

Some key observations and recommendations provided by the Consortium partners are as following:

- Creating a sustainable value chain for recycling (i.e. from segregation – collection – commitment to reuse/recycle waste by industry) is important.
- The Consortium should look into replicable models for in-house segregation.
- It is very important (especially from establishing a recycling value chain viewpoint) to have support from ULBs, Ministry of Petroleum and Natural Gas, MoEF&CC.
- Studies on benchmarking and labeling for alternative materials as well as for automating segregation of plastics is vital.
- Consortium will use radio and social media platforms (coordinated by RedFM) to promote cleanup drives and awareness programmes to be conducted in the Delhi-NCR region.
- Major issue with EPR and Plastic Waste Management Rules implementation is that State governments are individually proposing their own rules/laws.

Engagements with Energy Transition Commission (ETC) – India Commissioners and Company representatives

The need for accelerating change towards low-carbon energy systems that enable robust economic development and limit global temperature rise below 2 degree Celsius requires no emphasis. The Government of India has launched one of the world's most ambitious renewable energy programmes, with the goal of achieving 175 GW of renewable capacity by the end of Financial Year (FY) 2021-22. Achieving this goal would mean that India would reach a globally unprecedented level of penetration of variable renewables in electricity for a country with a low per capita income but large economic size.

The energy transition entails change of great scale, complexity and uncertainty. It therefore requires buy-in of and contribution from multiple stakeholders from industry, financial institutions, utilities and government. It also calls for establishment of an effective framework of credible long-term objectives – and near-term policies.

ETC India will help shape policy action and business strategy for realising low-carbon pathways by having discourse in regard to the feasibility and desirability of this shift. It will emulate the tried and tested model wherein a high-level, diverse group of leaders guide robust scientific research, and then carry the results thereof to policy-makers and corporate strategists.

On 25th July 2018 a stakeholder workshop and meeting of ETC India Commissioners was organized to share the interim findings. The first-year work-programme of the proposed ETC India initiative focuses on electricity sector transition pathways, as this sector is viewed as having the most significant short-term challenges and opportunities. It will:

- Project annual electricity demand scenario(s) and supply options from various technologies up to 2030, through robust, detailed, and context-specific modelling
- Analyse the flexibility requirements and available flexibility resources of the proposed pathways on the time horizon of 2030
- Estimate investment requirements of proposed pathways, levelised costs of electricity, and analyse the impacts on and role of renewable energy and the residual thermal fleet
- Formulate policy recommendations in terms of key targets and policies to be rolled out by 2022, 2027 and 2030

<http://www.teriin.org/project/energy-transitions>

http://www.teriin.org/sites/default/files/2018-04/etc-concept-note_0.pdf

Launch of the Energy Transitions India Report



A reliable, economically competitive and environmentally sustainable electricity system is the cornerstone of a modern society. With an aim to accelerate India's transition to renewables while moving towards a cleaner and cost-effective electricity system, The Energy Transitions India (ETC India) today released its key

findings across three latest technical reports on the side-lines of The World Sustainable Development Summit held in New Delhi on 13 February, 2019. By 2030, ETC India projects that the cost of wind and solar will be between 2.3-2.6 Rs/kWh and 1.9 - 2.3 Rs/kWh respectively, while the cost of storage will have fallen by about 70%. Even considering the additional costs required to balance the variability of renewables, the study projects that a grid with 30% variable RE generation is cost-effective as compared to a moderate RE system and does not raise costs for Indian consumers. Considering other renewables, hydro and nuclear, the share of zero carbon generation can be even higher, at 45%, while the share of coal falls to almost 50%.