



ESG REPORT

2023-24

Electronics City Industrial Township Authority



Acknowledgements

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Vision & Leadership Interventions

Management Committee - ELCITA

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ELCITA

About ELCITA

Electronics City was created in 1978 by Keonics with a vision to make Bengaluru the Silicon Valley of India. Today, the estate spans of 903 acres and boasts 360 registered establishments including Large, Medium, and Small Industries, Research Organizations, Educational Institutions, Hotels, and other Commercial Entities catering to the requirements of the Industrial Estate.

Electronics City Industries Association (ELCIA) was set up in 1992 by visionary leaders from across companies in Electronics City, and together with the support of the Government of Karnataka, they took charge of managing the estate – looking after the needs of members as well as the local community adjoining the estate.

In 2013, the Government of Karnataka notified the area as Electronics City Industrial Township under section 364A of the Karnataka Municipalities Act, 1964. The Electronics City Industrial Township Authority (ELCITA) was formed on March 18, 2013.

As a result of this, the functions and duties which are enunciated under the KMA came into force with immediate effect. ELCIA transitioned all functions to ELCITA, the newly formed Authority. ELCITA assumed responsibility for maintaining and managing the 903-acre estate from October 2013 onwards and continues to do so till date.

The scope of its responsibilities includes the following: -

Town Planning & Infrastructure Development: Providing licenses, certificates, and approvals. Controlling of existing and new developments. To create and promote healthy conditions and environments for the public. To ensure orderly development.

Urban Amenities: Urban facilities include roads, parks, green spaces, parking facilities, public bus transport & mobility, bus shelters and taxi stands.

Public Amenities: Easy access to utilities such as electricity, water, natural gas and internet, clean air, shops, streetlights, public conveniences.

Health & Sustainability: Public health, hospitals and clinics, sanitation, solid waste management, conservancy of natural resources. Protection of environment and promotion of ecological aspects.

Safety & Security: The processes by which township resources are assured of safety, includes surveillance and traffic management. law & order, traffic signals, signage, traffic wardens, CCTV cameras and network operating centres, security command centres, patrols, disaster recovery & business continuity.





Our Vision

Our vision is to be the best managed technology hub and Industrial Township in India, nurturing a sustainable ecosystem for large companies, MSME's and start-ups, and facilitating responsible business outcomes.

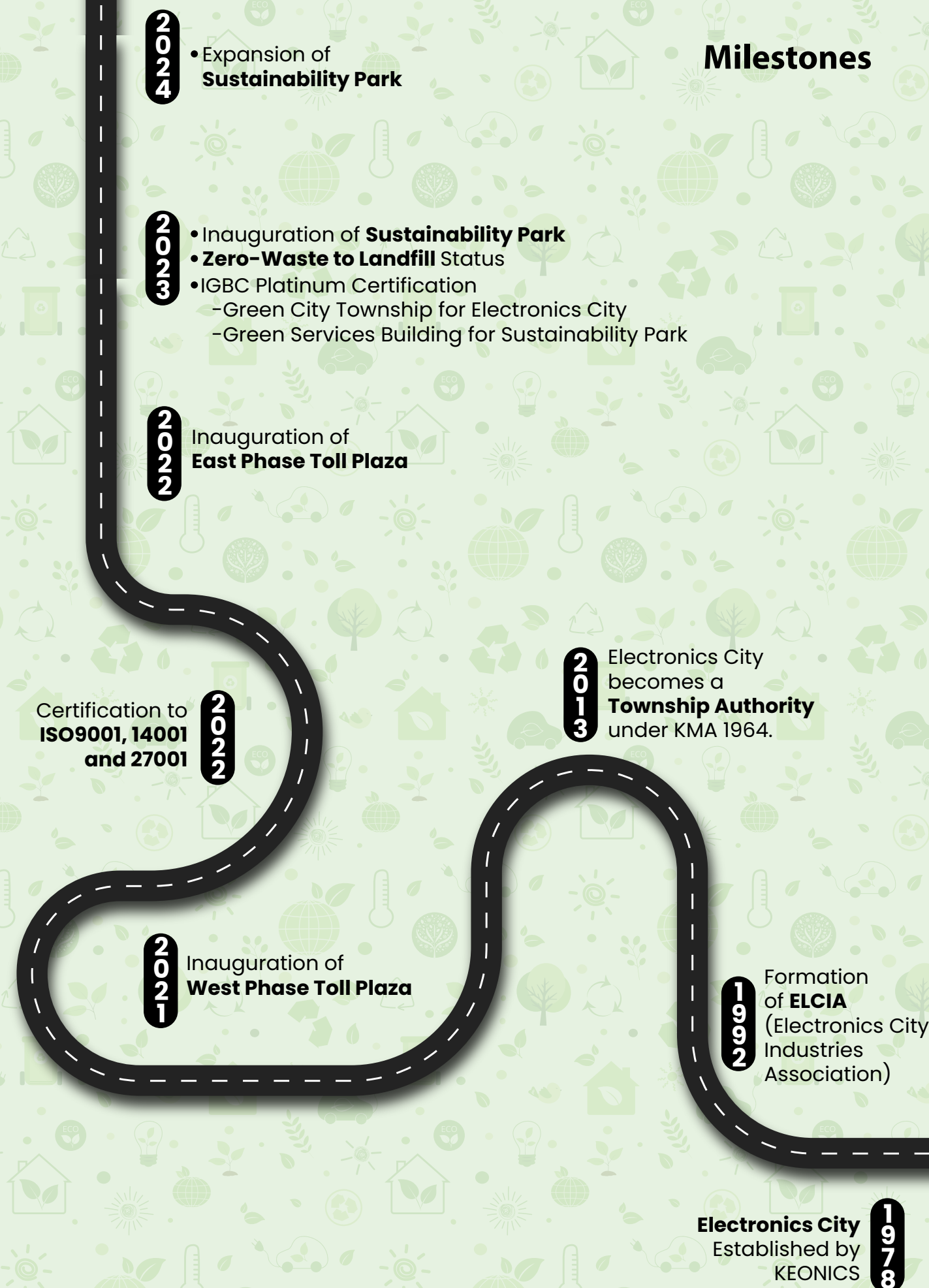


Our Mission

We support Industries in their business pursuits, by providing modern facilities in a well-developed township, offering sustainable support services, and fostering collaboration.



Milestones



Foreword

Management Committee

In an era of climate change and environmental degradation, a rapidly changing economic and political landscape, and fast-paced technological and social change, ELCITA has been at the forefront of implementing innovative solutions to reduce our ecological footprint, enhance social well-being, and ensure robust governance. This year, we are proud to highlight some of our major initiatives:

- The Sustainability Park:** We have set up a Sustainability Park, a dedicated space that showcases and promotes sustainable practices. This park serves as an educational hub and a living example of how green initiatives can be integrated into urban settings.
- Zero Waste to Landfill:** Achieving the coveted status of ‘zero waste to landfill’ is a significant milestone. Through rigorous waste management practices and community engagement, we have successfully diverted waste away from landfills, setting a benchmark for others to follow.
- Water Positive:** We have come close to becoming water positive, thanks to our comprehensive water conservation and recycling initiatives. These efforts ensure that we use water resources responsibly and sustainably.
- Net Zero Emissions:** Our journey towards ‘net zero’ emissions has seen substantial progress, with a notable reduction in per capita greenhouse gas emissions. This achievement underscores our commitment to mitigating climate change and protecting the environment.

Our sustainability journey is built on collaboration and partnerships. We work closely with IT and Manufacturing Industries, Commercial Establishments, Educational Institutions within the Township and the local community to create a team of practitioners that value and practice sustainability. These collective efforts have not only enhanced the quality of our environment but have also set a benchmark for other Industrial Townships to follow. This report is in accordance with the Global Reporting Initiative (GRI) Standard ensuring that our reporting is transparent, comprehensive, and in line with international best practices. It highlights our achievements, challenges, and the path forward. We have made significant strides, but we recognize that sustainability is a continuous journey that requires persistent effort and innovation.

As we look to the future, ELCITA remains committed to advancing sustainable practices that support economic growth while preserving the environment for future generations. We invite you to join us in this mission, as we continue to lead by example and inspire change.

We extend our heartfelt gratitude to all stakeholders, partners, and community members who have supported our sustainability initiatives. Together, we can build a resilient, sustainable, and thriving Electronics City.

-Management Committee



ELCITA Committee Members

Members	Designation
 Dr V Veerappan Chairman – Large Industry	<i>Co-Founder and President – Tessolve Semiconductor Private Limited</i>
 Mrs Aruna C Newton Member – Large Industry	<i>Vice President - Infosys Limited</i>
 Mr Kiron D Shah Member – Medium and Small Industry	<i>Managing Director – Velankani Information Systems Private Limited</i>
 Mr Sanjay Koul Member – Medium and Small Industry	<i>Managing Director – India Timken Engineering & Research India Private Limited</i>
 Mr Muralidhar R Member – Medium and Small Industry	<i>Managing Director – Bangalore Mechatronics Private Limited</i>
 Mr Girirajan Maignanam Nominated Member – Large Industry	<i>Senior Director – North America Delivery, HPE Pointnext Services Bangalore, Hewlett Packard Enterprise Globalsoft Private Limited</i>
 Mr Deepak Mehta Nominated Member – Medium and Small Industry	<i>Director – Shretronics Enterprises LLP</i>
 Mr Sriram Kumar V Invited Member – President – ELCIA	<i>General Manager – FANUC India Private Limited</i>
Mr Ramesh R Nominated Member	<i>Director – Technical, Department of industries and commerce, GoK.</i>
Mr Raghunandan, KAS Nominated Member	<i>Deputy Secretary to Government – II, UDD</i>
Mr T.V Murali Nominated Member	<i>Joint Director – Town and Country Planning, GoK</i>
Representative	<i>Local Authority</i>

Chairman's Message

ELCITA-A Role Model to Replicate

Dear Stakeholders

I am honoured to share with you our first ESG Report demonstrating our unwavering commitment to sustainable and responsible growth.

ELCITA has, over the decade, proved itself to be a model to emulate by stakeholders and peers across the nation. We have successfully supported our Member Companies as well as their employees, by providing a safe and sustainable environment for their businesses, while fostering innovation and collaboration.

I thank the Government of Karnataka and the wonderful collaboration we have had with regulatory bodies including BESCOM and BWSSB and their continued support in helping us achieve our objectives. We are mindful of the enormous responsibility and autonomy given to us and remain committed to ensuring responsible governance that addresses the expectations of our diverse stakeholders.

During the year we were able to smoothly conduct our Management Committee Elections and I wholeheartedly welcome the new members. I am thankful for the continued unity and consensus in the various Committees and its decisions, which have always been instrumental in efficient operations of the township. Our main source of revenue is taxes and levies that we collect from our members. Our governance processes remain robust and steadfast. Our procurement processes are transparent and digitized, and follow the norms set by the Urban Development Department (UDD). Our financial reports are publicly accessible, and we had no significant findings from regular audits conducted by the Government of Karnataka. Capital investments are prioritized over operational costs - a prime example during the year is our Sustainability Park - Solid Waste Material Recovery Facility (MRF), services of which have been tendered to a vendor on a revenue sharing model. I would like to thank all our business partners for their invaluable support and quality of service.

Our Smart City Command Centre was enhanced during the year and continues to provide real-time analytics on environmental and social parameters. Electronics City was certified to a Platinum Green City Standard under the IGBC Green Cities Rating System (New City) in May 2023. During the year, we achieved our zero waste to landfill goal and



ELCITA's Sustainability Park was certified to the Platinum Green Building Standard under the IGBC Green Service Building Rating System in November 2023.

We continue to support socio-economic development in our township and its vicinity. Safety and law and order is paramount both within and in the vicinity of the Township. We are thankful to the police, traffic wardens, CISF, and our inhouse security teams who have helped in maintaining a safe and secure township. With the economy and businesses growing, we invested our efforts into maintaining and augmenting facilities available in the township, including its overall look and feel. Shorter- and longer-term plans to improve connectivity with Electronics City have been drafted, building upon our existing shuttle services. Metro Rail to Electronics City is expected to commence services later this year.

We believe continued evangelizing, as well as education and awareness is the best way to further our sustainability journey with our stakeholders, while also learning from their best practices. Having completed a decade of successful operations as a model township, we aim to build further on our ESG vision through structured plans as we aspire to become a role-model to replicate, not just in India but globally.

Thank you.

- **Dr. V. Veerappan,**
Chairman, ELCITA

Message from the TDO

A New Era in ESG Reporting Dawns on ELCITA

Dear All,

The year 2022-23 has been a landmark for ELCITA, marking the achievement of several of our Environmental goals. One of our most notable accomplishments was the completion of the Sustainability Park, an innovative project that integrates environmental stewardship and sustainability.

This report has been prepared following global reporting standards. Materiality and stakeholder engagement exercises were conducted to help us identify and evaluate relevant environmental, social, and governance topics related to ELCITA's operations for inclusion in this report.

Our net zero emissions goal for the township aims to leverage the capabilities and performance of some of our bigger member companies who are already further ahead in this path, while also working closely to encourage and assist smaller companies towards becoming carbon neutral. Ensuring a sustainable supply of fresh water and effective sewage treatment remains a primary environmental challenge. We are committed to becoming water positive in our operations in the near future and continue to provide recycled and treated water to member organizations. We are happy to inform that most of the goals we set for ourselves have been achieved well ahead of time.

ELCITA provides direct and indirect employment to over 400 individuals, who are the backbone of our operations. We prioritize their well-being and good working conditions, including implementing rewards and recognition programs and conducting annual medical checkups.

Our vision of a safe and sustainable township for all is unwavering. We have enhanced the effectiveness of our security system with ongoing and periodic interventions, supported by state-of-the-art physical and IT infrastructure. Our goal is to achieve the best internet uptime for our members. We have enhanced our air quality monitoring system and weather analysis capabilities across the township. Regular cleaning and maintenance of stormwater drains has helped us avoid flooding issues. We continue to monitor feedback received from Citizens, collected via apps, and take corrective action.



Collaborations with the Government are crucial. We are working with the health department to set up a 'Namma Clinic' in the neighbourhood, to provide affordable and accessible healthcare. We have completed a feasibility study for last mile connectivity between the two stations of the Metro Yellow Line and member companies as part of our sustainable mobility drive. Our shuttle bus service has been well-received, and we plan to expand these services once the yellow line becomes operational.

This report, our first sustainability disclosure, is the beginning of a new era in ESG reporting by our Township Authority. It highlights our achievements over the past year, detailing our operations in key areas and outlining our future goals. We will continue to report on our progress in sustainability goals and objectives annually.

I extend my heartfelt thanks to all our partners and stakeholders for their support over the past year and look forward to continuing our partnership in the future as well.

Thank you.

- **Charles Henry Hawkes,**
Township Development Officer, ELCITA

Sustainability Highlights



358 KV

Total solar power capacity



₹ 8.15 Cr.

Spent towards environment protection



10.74 %

Reject waste disposed via MRF (April to Nov 2023)



380

million litres

Wastewater treated in our centralised STPS



1200 KLD

Increase in STP treatment capacity



1.4 million

litres

rainwater recharged



50%

Renewable Electricity used by ELCITA



- Lost time injuries
- recorded cases related to anticorruption
- major incidents
(Leading to significant fines or adverse media coverage)

Our First ESG Report

This ESG Report serves as ELCITA's first annual disclosure towards demonstrating its sustainability performance during the period 1st April 23 – 31st March 2024 including its key strategies, action plans, goals and targets related to the identified material topics.

The reporting scope and boundary includes the economic, environmental, and social performance related to activities controlled by ELCITA within the Electronics City township area in Bengaluru, India. How actual and potential impacts on the environment, society and economy are identified, prevented, and mitigated are brought out within the Report. Details related to activities where it has limited scope to guide and influence the broader actions of its significant stakeholders is also brought out.

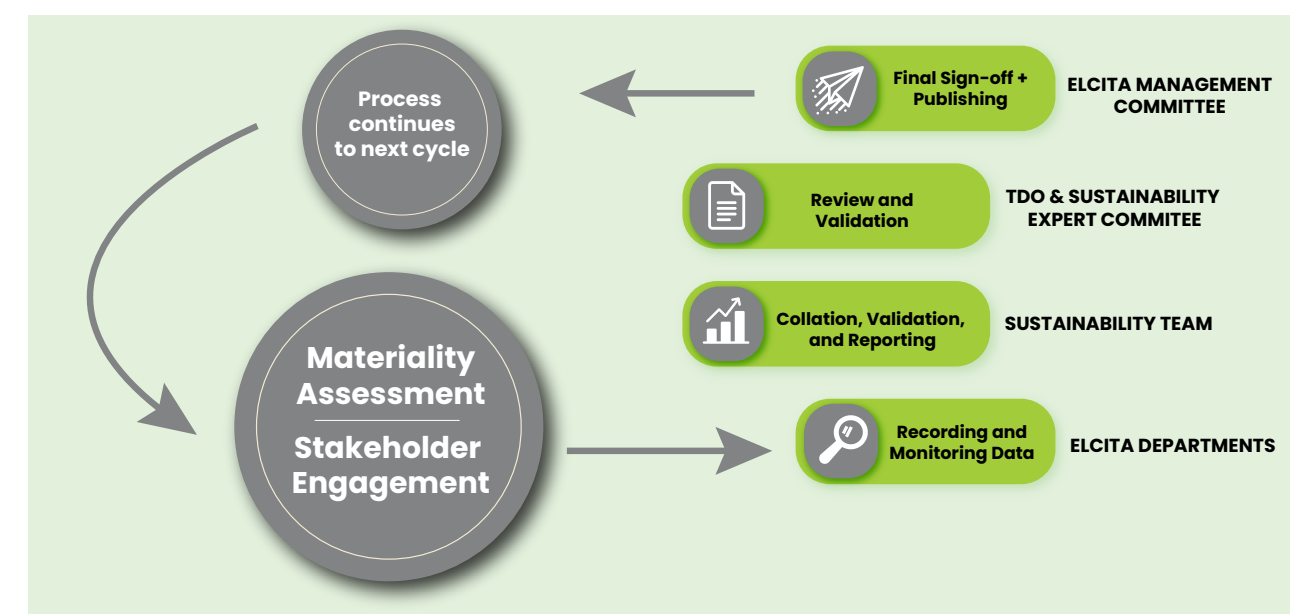
The Global Reporting Initiative (GRI) and Global Sustainability Standards Board's (GSSB) ESG Reporting Standards, which is the most accepted standard for reporting on sustainability performance globally forms the basis for this Report. We take care to ensure that this Report is in accordance with the GRI Standards 2021, including application of reporting principles as well as the requirements of its Universal Standards and

applicable Topic Standards related to identified material topics. This is referenced and explained within the section 'Stakeholders and Material Topics'.

As part of our public commitment towards our sustainability goals, we aim to continue this process of disclosure on an annual basis to demonstrate our progress towards these goals, as well as providing yearly updates and responses to key stakeholder expectations and concerns.

Our internal teams have taken utmost care towards ensuring the accuracy and reliability of the information disclosed within this Report, through multiple tiers of validation. Our CEO / TDO reviews and approves the material topics which form the content of the report, while information and data shared by individual departments are reviewed by the CEO / TDO and the Sustainability Expert Committee. The final approval towards publishing the report is granted by the Management Committee.

While this Report has not been externally assured, we seek to further enhance the credibility of our reporting by seeking independent external assurance in future reporting periods.




Feedback and suggestions may be sent to esg.manager@elcita.in

Awards and Recognition




 CII National Award for Environment Best Practices 2022 – **Integrated Water Management Project**

 INFHRA Recognition Award Bengaluru 2021-22 – **Best Project Corporate**

 INFHRA Recognition Award Bengaluru 2021-22 – **Sustainability**

 INFHRA Recognition Award Bengaluru 2023-24 – **Best Project Corporate (IT Park)**

 CII National Award for Environment Best Practices 2023 – **Most Innovative Project for Environmental Initiative under Sustainability Park project**

 FICCI- Smart Urban Innovation Awards 2024 – **Smart Solid Waste Management**

Sustainability Park rated **IGBC Platinum** as Green Service Building



Electronics City rated **IGBC Platinum** as Green City Township



Electronics City was certified to have achieved the Platinum Green City Standard under the IGBC Green Cities Rating System (New City) in May 2023.

ELCITA's Sustainability Park was certified to have achieved the Platinum Green Building Standard under the IGBC Green Service Building Rating System in November 2023



Obtaining this esteemed certification signifies the Township Authority's unwavering dedication to preserving the environment, enhancing the quality of life for its residents, and creating a model for future urban development. By incorporating sustainable design principles, renewable energy solutions, and efficient resource management practices, the township has set an inspiring example for other communities to follow

- **Dr. V. Veerappan, Chairman, ELCITA**



ISO 9001:2015
Quality Management System



ISO 14001:2015
Environmental Management System



ISO 27570:2021
Privacy Guidelines for Smart Cities



ISO 27001:2013
Information Security Management System

Stakeholder Engagement

A robust process of engagement with stakeholders helps in identifying their key expectations and concerns, reviewing ELCITA's existing strategies and enhancing shared value.

ELCITA interacts with its stakeholder groups on an ongoing basis and across various platforms. We focus on transparency, ethics and accountability, and mutual trust in all our relationships. Our stakeholders include:

- ELCIA
- ELCITA Member Companies
- Employees and contractors
- Government Departments
- Local community Suppliers

In addition to these regular modes of stakeholder engagement, we carried out direct and indirect interactions with selected stakeholder groups such as employees, member company representatives, business partners and suppliers, through one-to-one meetings and questionnaires, towards analysing and responding to their most significant expectations and concerns, as well as forming inputs towards identifying material topics for the Report.

Filtering Criteria

- Does it constitute a **future challenge** or is it a sectorial issue
- Is it a local, national or regional legal/**statutory requirement** or of strategic significance
- Is it an **emerging risk or an opportunity** towards sustainable development
- Has a **concern** been raised by any stakeholder or can result in stakeholder activism and impact **social license to operate**
- Is there a scientific basis to consider it as **present or emerging issue**
- Is it related to ELCITA's value or commonly **agreed policy**?

Stakeholder Group	Mode of Engagement	Frequency	Key Topics and Concerns
Employees	<ul style="list-style-type: none">• Emails• Staff Meetings• Open-door	<ul style="list-style-type: none">• Ongoing/• Fortnightly/• Need-based	<ul style="list-style-type: none">• Employment Updates• Compensation and Benefits• Health and Safety
Other Workers – Consultants, Contract Workers	<ul style="list-style-type: none">• Open-door• Interaction with process owners	<ul style="list-style-type: none">• Ongoing/Need-based	<ul style="list-style-type: none">• Deliverables• Service-related• Health and Safety
Suppliers and Business Partners	<ul style="list-style-type: none">• KPPP Portal• Email	<ul style="list-style-type: none">• Ongoing/Need-based	<ul style="list-style-type: none">• Technical/financial tender queries• Payments and deliverables
Member Companies	<ul style="list-style-type: none">• Townhall Meetings• MC Meetings	<ul style="list-style-type: none">• Twice a year• Monthly	<ul style="list-style-type: none">• Township updates• Estate-related concerns
Local Community and Public	<ul style="list-style-type: none">• ELCITA Citizen App• Email• CEO	<ul style="list-style-type: none">• Ongoing/Need-based	<ul style="list-style-type: none">• Estate-related concerns• Public utilities• Security
Governments (Local and State) and Regulatory Agencies	<ul style="list-style-type: none">• Meetings and Workshops	<ul style="list-style-type: none">• Ongoing/Need-based	<ul style="list-style-type: none">• Policies and Regulations• Taxes• Compliance

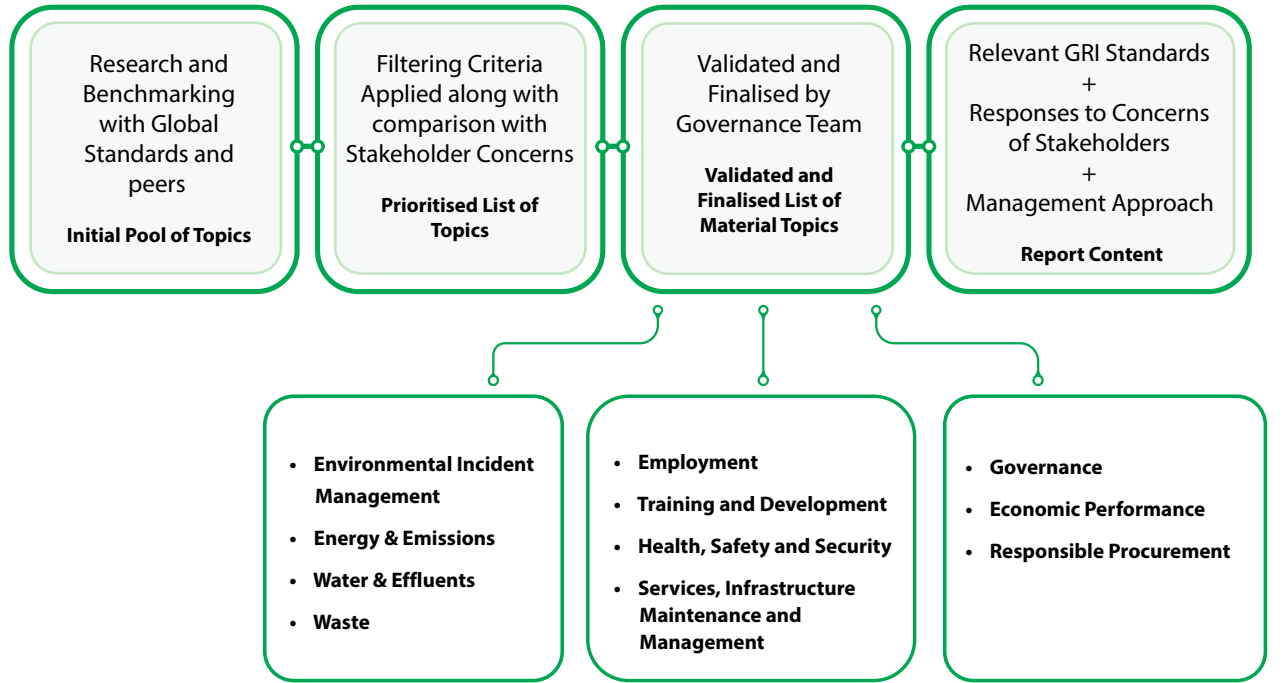
ELCITA's responses to these stakeholder concerns are addressed across various sections of this Report. We also monitor and respond to feedback and concerns from other stakeholder groups such as trade associations, consumers, NGOs, and advocacy groups.

Besides the regular modes of engagement and consideration of stakeholder feedback into strategy and decision-making, ELCITA has considered the general views of our stakeholders towards identifying key topics of materiality which are focused upon within this Report and helps form its content.



Material Topics

We carried out direct and indirect interactions with identified stakeholder groups including member company representatives, business partners and suppliers, through one-to-one meetings and questionnaires. The materiality determination process involved research into global standards such as the GRI Standard, CDP-Cities, SDG 11 (Sustainable Cities and Communities), and benchmarking with peers and similar organizations. Prioritized material topics were also validated with the ELCITA Management team.



Going forward, we aim to review and further strengthen our strategies related to these material topics, considering common policies of stakeholders and management approaches currently in place.



Environmental Stewardship

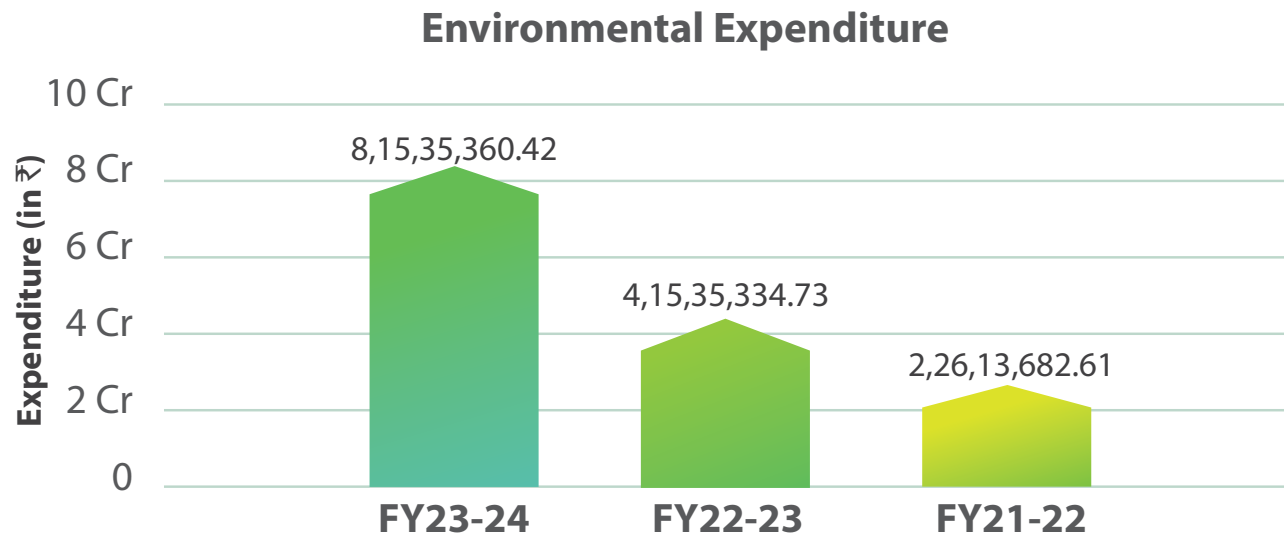
At ELCITA, we identify energy, emissions, water, and waste as our significant focus areas. We have established an environmental management system to monitor, evaluate and act upon the impacts related to these aspects, both within and outside our boundaries. Our departments have carried out aspect-impact analyses to identify significant impacts and mitigate risks to acceptable levels.

Our management system includes Operational Control Procedures and Emergency Plans, as well as clear identification of roles and responsibilities. Qualitative and quantitative data is captured and analysed on our dashboard from various environmental facilities – this assists in our decision-making process and reviewing our sustainability

strategy. Our sustainability team carries out internal audits once a year to review the effectiveness of our management systems; in addition, our system also undergoes external surveillance audits by our third-party independent certification agency.

During the year, there were no significant penalties or fines paid related to environmental non-compliance.

We take utmost care to ensure compliance to the various environmental laws and regulations, and this is reviewed frequently with respective departments in our internal meetings. Our website details new laws, regulations, and notifications for the benefit of our member companies.



Incident Management

ELCITA monitors all activities within its limits to identify and respond to environmental impacts if any. As the primary responsible party towards maintaining a safe township, ELCITA has procedures in place to deal with any eventualities. Our incident management system involves collaboration between various departments as well as external stakeholders, to identify incidents and provide for a swift response. We also assist and support smaller member companies such as MSMEs who are not necessarily equipped to handle environmental incidents.

We did not capture any significant environmental incidents during the reporting period (significance as per our aspect-impact register). We are working towards categorizing potential incidents and defining the same within formalized procedures.

Potential Incidents being monitored

- Open dumping of solid waste
- Sewage flowing to stormwater drains.
- Partial treated effluent discharge
- Unauthorised borewell digging.
- Non-metering of pipelines and groundwater extraction
- Sewage Inlet connections to lakes
- Improper waste management practices (unauthorised vendors, improper disposal practices)
- Dumping of construction and demolition waste

Net-zero Journey

Our comprehensive third-party study outlined a feasible yet ambitious path to net-zero by 2030 for Electronics City. Key findings include:

- **Scope 1 Emissions:** Transitioning to electric vehicles and commissioning the new metro line are pivotal in reducing Scope 1 emissions. However, decarbonizing diesel generators (DG sets) remains challenging due to limitations in replacing them with Uninterruptible Power Supplies (UPS) and sourcing issues for alternative fuels like biodiesel.
- **Scope 2 Emissions:** A modest 17% reduction in electricity consumption is expected from equipment and facility upgrades. The remaining electricity demand can be met through renewable Power Purchase Agreements (PPAs), contributing significantly to the net-zero target. Renewable PPA costs are anticipated to decrease with the growth of renewable energy sources.

- **Transportation:** Half of the employees are projected to use the metro, reducing reliance on company diesel vehicles. The switch to electric vehicles is a major driver for CO2 emission reduction in Scope 1, despite the high initial cost, which may decrease as electric vehicle prices drop.
- **Cost-Effectiveness:** Most Scope 2 emission reduction options are cost-effective. However, installing harmonic filters/power factor correction and insulating refrigerant pipework are less impactful in energy savings.
- **Electricity Purchase:** An estimated 6.5 TWh of electricity needs to be procured through renewable PPAs from 2023 to 2050 for complete decarbonization of Scope 2 emissions.

The study's suggested measures can achieve net-zero for Scope 2 and most of Scope 1 emissions. Carbon tax, while currently low, poses uncertainty for future costs, particularly for the commercial sector. Implementing these measures and navigating the financial implications will be crucial for Electronics City's net-zero journey.



ELCITA has undertaken pioneering steps towards Net-zero & sustainability initiatives. The efforts are laudable considering that apart from pursuing their (the township authorities') own Net-Zero initiatives - tracking, mapping and reporting the progress, ELCITA supports the Member institutions (Industries / Educational institutions & others) by providing them an user friendly SW tool and platform. I am confident that ELCITA will evolve as a role model for Township management in SDG initiatives & conformance.

-A Vaidyanathan, Personal Air Quality Systems Private Limited
Member - Sustainability Committee



Energy and GHG Emissions

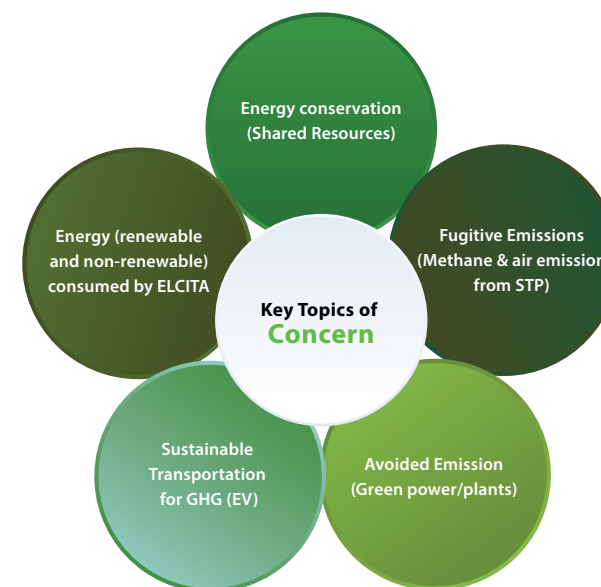
Human activities release greenhouse gases (GHGs) like carbon dioxide, methane, and fluorocarbons, which are major contributors to climate change. This results in global warming and severe environmental impacts, including floods, droughts, and storms, causing extensive damage and costs.

In our township, operations such as asset maintenance, transportation, construction, industrial processes, and office activities add to GHG emissions.

As we set net-zero targets, we're taking steps to mitigate our climate impact through decarbonization efforts. These include procuring renewable energy, promoting sustainable transport infrastructure and services, advocating for biofuels, tree planting, and other initiatives. We're also enhancing sustainable transportation adoption by installing more EV charging outlets.

Engaging with stakeholders, we strive to guide and influence them to reduce their emissions and energy use, extending our impact beyond our direct emissions. We facilitate renewable energy adoption among existing companies through awareness and technical support, aiming to reduce grid power reliance.

Our operations consume electricity in our offices, streetlights, CCTVs, traffic signals, high mast lights, foot-over bridges, bus shelters, pump houses, and CSTP. We also use fuel in 40 vehicles and equipment, but we're transitioning to electric vehicles, with 20 added in the last two years, to minimize fossil fuel impact.



Energy consumed within ELCITA	FY 23-24		FY 22-23		FY 21-22	
Fuel used in vehicles (petrol)	114.82 GJ	3,312.84 L	186.23 GJ	5,373 L	125.43 GJ	3,619 L
Fuel used in vehicles (diesel)	3360.95 GJ	86,936.18 L	3,020.35 GJ	78,126 L	2701.06 GJ	69,867 L
Fuel used in DG sets (diesel)	269.92 GJ	6,982 L	79.11 GJ	2046.20 L	75.33 GJ	1948.60 L
LPG used in canteen	3.876 GJ	76 kgs	5.81 GJ	114 kgs	23.26	456 kgs
Electricity from Grid	5460.08 GJ	1,516,690 kWh	2117.38 GJ	588,162.3 kWh	1671.60 GJ	464,333 kWh
Electricity allocated as green by utility provider	50 %		NIL		NIL	

Table: Energy Consumption inside ELCITA

Smart Lighting

ELCITA has implemented a smart street lighting system to monitor the status of streetlights, allowing for optimized energy consumption by adjusting the luminance duration. Smart high mast lights have been equipped with IoT devices in their control panels, enabling individual and group control and monitoring of light poles. This system provides fault status and alerts via a dashboard and email notifications. The dashboard also facilitates automatic on/off controls, dimming capabilities, and integrates lux and motion level sensors within the poles for enhanced efficiency.



Emissions (tCO2e)	FY 23-24	FY22-23	FY21-22
Scope 1	278.30	243.96	203.24
Scope 2 (location-based)	1,248.24	484.06	376.11

Table: Scope 1 and Scope 2 Emissions of ELCITA (tCO2e - Tonnes of Carbon Dioxide Equivalent)

Note: Weighted Average Emission Factor of 0.81 tCO2/MWh. Market-based emissions are considered as nil, taking into account wheeling agreements from BESCOM and renewable energy generators.

In 2023-24, ELCITA generated over 350,000 units of solar power through 84 kWp rooftop panels at our office, a 250 kWp plant at the MRF facility, and 24 kWp at the East phase toll plaza. We plan to expand our solar capacity further. Following a comprehensive energy audit, we're implementing suggested actions to address inefficiencies. Future reports will detail energy and emission savings initiatives. Our Electrical Energy Vision targets over 50% renewable energy use in operations by 2025. ELCITA is also committed to energy neutrality and Net Zero, measuring and monitoring individual facilities against best practices. Initiatives include high-efficiency equipment replacement, more Renewable Energy Plants, green power purchases, and efficiency improvements. We've implemented smart street lighting and high mast lights with IoT controls for energy optimization, fault monitoring, and automated operations, contributing to green building norms.



Water

Many countries around the world including India are facing water scarcity issues, and availability of water and good water quality is essential to human health, social and economic development, and the ecosystem.

ELCITA has chosen water stewardship as a value driver for the sustainable development of Electronics City and as the service provider, we believe that water should be carefully managed during every part of the water cycle - from freshwater sourcing, use and post-treatment, to the use of treated wastewater and its ultimate return to the environment. Water procurement and its distribution for use for activities of entities within Electronics City should not adversely affect our water source including ground water levels in catchment area.

Water will be supplied to two nearby villages on a demand basis through our tankers.

Within ELCITA, we use water for domestic purposes within our office operations which amounted to approximately 445 KL during the year. Treated water is used for gardening, maintenance, and cleaning activities.

As a service provider, ELCITA is responsible for water management as well as anticipating and meeting the



	Via BWSSB (ML)	Via Borewell (ML)	Total Withdrawal
FY22-23	149.144	33.450	182.594
FY21-22	107.544	36.840	144.384
FY20-21	110.598	30.194	140.792

Table: Water Withdrawal for Supply to Member Companies (metered values, in million litres)



growing demand of freshwater within the Electronics City area. We have considered a Water Strategy Study carried out by an independent third-party expert in 2014, towards understanding our impacts related to water, and framing our action plans. In addition, we carry out ground water assessments through third parties to evaluate the groundwater levels in the township.

ELCITA is actively pursuing water conservation measures through reuse and activities like rainwater harvesting and recharging ground water through injection wells and recharge pits. Through our rainwater tapping potential of 480 KL, we estimated a groundwater recharge of around 1,400 KL. We encourage member companies to adopt rainwater harvesting measures by providing technical support and guidance.

We carry out awareness sessions for companies, academic institutes, associations, and government bodies. This includes visits to our plants to explain and showcase our water conservation measures.

We have online monitoring systems in place which ensures that the water we supply is of the best quality and conform to BIS10500 requirements – this is verified through NABL certified laboratories.

Wastewater when disposed improperly can leach into soil and groundwater. We ensure responsible treatment and disposal of wastewater from our operations and from

operations of entities within Electronics City, especially entities that do not have dedicated wastewater treatment facilities, where we have undertaken this responsibility as a service provider through five STPs owned and operated by us. In the case of small-scale industries without pipelines for wastewater discharge/STP, we use our vehicles to transport the effluent to our CSTP. Industries with effluent generation of more than 10 KLD or 1000 sqm area is expected to have their own STPs as per KSPCB regulations. Wastewater discharge is monitored by us daily to check various parameters of effluent and ensure that they are in line with compliance norms (KSPCB Schedule V - Effluent Water Quality Parameters).

During 2023-24, we produced 3,80,936 KL of treated water from our STPs compared to 57,878 KL in the year before – the substantial increase is due to commissioning of a new 1.2 MLD STP equipped with modern membrane bioreactor technology. Treated water is used for maintenance of our estate and landscaping, civil construction and for companies’ greenery maintenance.

Going forward, we have plans to implement water modelling within Electronics City for further improving distribution of water to member companies. We will continue to encourage member companies to reduce their freshwater use for non-potable purposes, by substituting with treated water and rainwater, which will help them both economically as well as environmentally. By 2025, we aim to achieve water positivity for ELCITA operations.



Best Practices for Water Management

- Twelve smart water meters installed for STP quantity assessment.
- Online monitoring system installed for qualitative analysis for water and wastewater.
- Softener system installed to remove hardness.
- Upgradation of existing 50 rainwater recharge pits to injection wells
- Four hydrostatic level sensors established for monitoring of groundwater level status.
- SCADA system installed for auto operation of 300 KLD CSTP.
- Rainwater storage tank @350 KLD Capacity installed at KSSIDC complex.
- Rainwater harvesting system installed at ELCIA cluster and ELCIA office to re-utilize the rainwater.
- Distribution of treated water to member companies
- 1.2 MLD MBR STP established for treatment of wastewater.

Understanding the criticality of water as a resource, our impact lies more as a steward who influences our end users of water to responsibly use the water supplied to them. We promote steps towards reducing losses during water treatment and distribution including water handling, treatment and disposal post use of freshwater procurement and consumption.

Waste

ELCITA is mandated to facilitate waste management in our township area across the waste value chain of generation, treatment, transportation and disposal, as improper processes of collection, treatment and disposal can pose harm to human health and the environment, besides impacting business operations adversely.

Our vision is to adopt sustainable and environmentally responsible practices to manage solid waste through reduced generation, promoting recycling, and minimizing the impact of generated waste on the environment. By December 2023, we achieved our **Zero Waste to Landfill** goal for waste.

As a service provider, we manage waste generated from our operations, as well as waste that we collect and dispose on behalf of other entities within Electronics City.

Management of waste is a collaborative approach, and we engage continuously with various partners such as recyclers and waste management companies, towards effectively tackling waste.



Waste generated within the township includes both hazardous and non-hazardous waste. We emphasise on waste segregation at the source by encouraging companies and workers to categorise waste at the points of generation, as well as highlight the importance of proper waste management in line with the SWM Rules, 2016. We engage with member companies through trainings which are held frequently to understand and share best practices as well as rectify any existing issues.

A unique model of managing solid waste is in place where municipal solid waste generated within the township are transported to respective material recovery facilities for segregation and further processing (that is, dry waste to Sustainability Park 1, wet waste and AFR/reject to Sustainability Park 2, and garden organics to Sustainability Park 3). Material recovery facilities are operated by an agency authorized and appointed by us.



We regularly evaluate the agency's performance and adherence to compliance and SLAs.

Our dashboard helps to monitor and evaluate waste management practices regularly to identify areas for improvement and track and monitor the primary objective of 'zero waste to landfill'. This also takes inputs towards raising timely and accurate invoices related to waste collected and disposed.

The data obtained from the MRF covers waste from 149 entities within the township including educational institutions, commercial establishments, and industries, and categorises approximately 16 tonnes of waste per day to the following:

- Wet waste/garden organics which are sent to the biogas plant and composted.
- Inorganic waste which are segregated to 38 categories and sent to respective recyclers.
- Reject waste used as alternative fuel resources (AFR) which helped us to eliminate the disposal of waste to landfill.

Win-win

- For member companies:** responsible waste management and monetisation of high-value waste
- For waste management agency:** viable business proposition
- For contractual workers:** employment via decent wages and working conditions.
- For ELCITA:** Move towards zero-waste to landfill Target of 2024.

In kgs	Dry	Wet	Mixed
FY23-24	970,642.00	11,22,529.00	280,885.00
FY22-23	485,006.00	178,787.50	325,395.76
FY21-22	224,658.28	49,299.45	215,088.33
FY20-21	205,152.07	172,169.70	260,437.13

Table: Municipal Solid Waste from across Electronics City handled by ELCITA

ELCITA generated and disposed 8.42 Tonnes of waste through its own operations during 2023-24, of which 0.77 MT was dry waste, 0.52 MT was garden waste, 1.59 MT was wet waste, and 5.55 MT was reject waste.

Hazardous waste from various companies are handled individually. Within ELCITA, our hazardous waste generation is minimal and includes waste DG oil, oil soaked cotton waste, and used filters which are taken care of by respective AMC agencies due to their insignificant amounts.

While e-waste from larger member companies are handled by their respective recyclers, e-waste from ELCITA and small-scale companies are collected and sent to an authorized e-waste recycler. During 2022-23, we sent 1.4 MT of e-waste generated from our office to this recycler.

Over time, we shall aim to recover more energy and resources from waste, besides leveraging modern technologies such as SCADA systems and data-driven solutions for waste collection, transportation, and monitoring to enhance efficiency and reduce operational costs. We are in the process of adopting a circular economy approach where waste collected are evaluated for its potential for reuse, recycling, and resource recovery, and even generate revenue from waste.



Mandatory Rules for Member Companies

- Segregation at source
- No single use disposables
- No littering, dumping, burning



ELCITA's ESG Policy

ELCITA is committed to fostering a sustainable and resilient industrial township by integrating Environmental, Social and Governance (ESG) principles into our core operations.

We pledge to pursue sustainable development practices that minimize our environmental impact, enhance social well-being, and ensure robust governance.

By aligning with global standards and actively engaging with our stakeholders, we aim to achieve our sustainability goals and contribute to a greener, more equitable future for Electronics City.



ESG Goals & Targets

For ELCITA

- Sustainability Initiative Implementation** - To Implement a comprehensive sustainability initiative for ELCITA's operations by March 31, 2023 - Completed.
- Sustainability Park Establishment** - Set up a Sustainability Park within Electronics City to enhance our sustainability capabilities by March 31, 2023 - Completed.
- ESG Sustainability Report** - To develop and communicate ELCITA's ESG Sustainability report following GRI guidelines by June 30, 2024 - Completed.
- Grid Power Consumption Reduction** - Reduce grid power consumption by 50% by March 31, 2024 - Completed.
- Zero Waste to Landfill** - Achieve zero waste to landfill status by March 31, 2024 - Completed.
- Water Neutrality** - Attain water neutrality by March 31, 2025.
- Net Zero Emissions** - Achieve net-zero status by March 31, 2027.

For Member Companies

- Sustainability Initiative Expansion** - Extend the sustainability initiative to cover ELCITA operations and member companies within the Township by March 31, 2024 - Completed.
- Freshwater Consumption Reduction** - Influence the reduction of freshwater consumption by 50%, promote rainwater harvesting, and recharge the groundwater table continuously - Ongoing.
- Renewable Energy Adoption** - Encourage a 50% reduction in power consumption and facilitate the generation, procurement, and use of renewable energy across Electronics City - Ongoing.
- Waste Management Improvement** - Reduce waste generation, improve segregation, collection, and disposal, and achieve zero waste to landfill status by March 31, 2025.
- Air Quality Enhancement** - Improve air quality in Electronics City to meet acceptable National Ambient Air Quality Standards continuously - Ongoing.
- Carbon Neutrality** - Achieve carbon neutrality across all industries in Electronics City by March 31, 2030.

Implementation Strategy

- Consultation and Guidance** - Engaged DNV, a global leader in sustainability, to develop and guide the ESG program and strategies to achieve our targets, including net-zero status by 2030.
- Data Management** - We utilize the 'resustain platform' of 'Treeni Sustainability Solutions' for efficient data management and tracking of sustainability metrics.
- Stakeholder Engagement** - We collaborate with member companies, stakeholders, and the community to ensure collective action towards our sustainability goals.
- Continuous Improvement** - We regularly review and update our policies, practices, and targets to align with evolving global standards and best practices in sustainability.

Monitoring and Reporting

- We conduct periodic assessments and audits to monitor progress against the set targets.
- We plan to publish annual ESG reports in compliance with GRI guidelines to maintain transparency and accountability.
- We encourage feedback and participation from all stakeholders to enhance the effectiveness of our sustainability initiatives.

ELCITA is dedicated to creating a sustainable and resilient industrial township by embedding ESG principles into our core operations and influencing our member companies to do the same. Together, we aim to make a significant positive impact on the environment and society, ensuring a sustainable future for Electronics City.



In preparing this ESG report, we are reminded that we are responsible for all our actions. To foster sustainability, it is essential to make thoughtful decisions, minimize environmental impact, and prioritize the restoration of natural ecosystems. Our personal behaviours can significantly impact the environment, but also contribute to a sustainable future. This report reflects our collective commitment to sustainability and the practical steps we can take to protect our planet.

-Subash H V, Tata Consultancy Services Limited
Member - Sustainability Committee

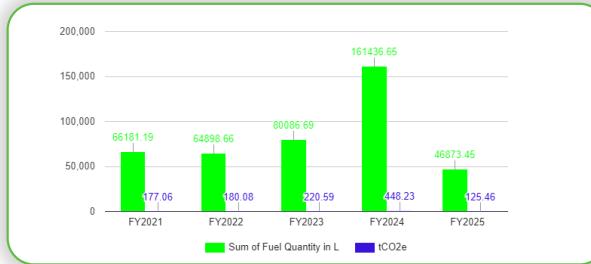
ESG Software Platform

ELCITA aims to achieve net-zero status for all its operations by March 31, 2027, and has committed to working with member companies to reach net-zero status for the entire Electronics City by March 31, 2030. With many larger organizations already nearing or having achieved net-zero, ELCITA sees an opportunity to unite all members in this global and national effort to combat climate change.

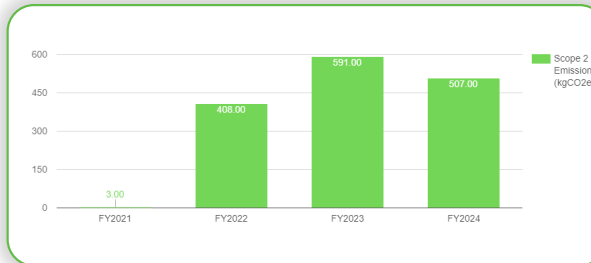
A system was required to collect data from member companies, derive meaningful insights, and perform emission calculations. Standardized templates for ESG reporting were also necessary. ELCITA's commitment to building sustainable communities and achieving net-zero goals necessitated a system to monitor progress at a granular level, mitigate environmental, social, and governance risks, and uncover opportunities for sustainable growth.

To address these requirements, ELCITA partnered with Treeni Sustainability Solutions, leveraging their resustain™ platform for sustainability data, Scope 1, 2, and 3 calculations, GRI reporting, and monitoring of goals and targets. This partnership streamlined data collection processes, facilitated collaboration with stakeholders, and supported strategic decision-making. It also automated report generation and analytics.

Treeni Sustainability solutions has provided successful implementation and continuous support. They offer essential training, equipping member companies with the necessary knowledge and skills to utilize the platform effectively. This fosters a collaborative environment where companies can share data and track progress, enhancing their sustainability journey and contributing to a more sustainable future.



Scope-1 Emissions from ELCITA operations(tCo2e)



Scope-2 Emissions from ELCITA Operations(tCo2e)

The Sustainability Park

Our Sustainability Park was formally launched in February 2023, to showcase our sustainability efforts and journey.

Our visions towards becoming zero-waste to landfill, encouraging renewable energy use, becoming a water steward, and instilling sustainable practices among our stakeholders, will be seen through various initiatives and facilities established in this Park.

Spread over 1.26 Acres, the Park has been certified **IGBC Platinum in the green service building** category with a 250 kWp solar rooftop plant, use of five-star BEE rated equipment, energy monitoring systems, rainwater recharge and harvesting pits, and initiatives to preserve topsoil. The Park has also been awarded the **‘Most Innovative Project’** for environmental best practices at the national level by the Confederation of Indian Industry. Our waste management process recently won FICCI’s “Smart Urban Innovation Awards 2024” in the category **“Smart Solid Waste Management”**. Our waste management model at the Park has been well received.

Main Features:

- We initiated a comprehensive waste management programme with a clear mandate towards collecting, segregating and processing waste in a responsible manner. Recognising the scale of the issue, we invested in automation – and a state-of-the-art Material Recovery Facility with a capacity of 16 tonnes per day was established for effective segregation of dry waste.
- The waste management process is split across two other areas – the Sustainability Park 2 at Doddathoguru, designed to segregate food waste and shredding reject waste, and the Sustainability Park 3 at Bengipura focused on conversion of garden waste into Briquettes & Compost. Food waste at Doddathoguru is directed to a biogas plant for energy recovery, while the shredded reject waste is sent to cement Kilns for co-processing.
- A 1.2 MLD capacity Sewage Treatment Plant was built to collect and treat the sewage from surrounding residential areas in Phase II of the township, which was otherwise being discharged to stormwater drains affecting neighbouring water bodies. This water after treatment is now available for use for landscaping work.
- ELCITA’s commitment to renewable energy is exemplified by a 250kWp solar plant set up



within the Sustainability Park. This infrastructure plays a crucial role in conserving energy and rendering the Park’s operations almost carbon neutral.

- A comprehensive “Rainwater Harvesting system” is in place at the Sustainability Park, to maximize water conservation. The system includes a rainwater storage tank of 50 cubic meters capacity. Apart from this, there are 10 recharge

pits, each with a capacity of 3.82 cubic meters, further facilitating groundwater recharge.

- Rainwater is primarily utilized for secondary purposes such as for gardening, flushing of toilets, non-potable uses such as washing of cars, cleaning outdoor areas, etc. Rainwater is extensively used to recharge ground water by directing it into recharge wells. This helps to replenish aquifers and maintain the water table.



Centre for Sustainable Development - Plan for the future

ELCITA has planned to set up a Centre for Sustainable Development. Roughly 18000 SFT of space is being dedicated to this Centre. This is located on the first floor of the Solid Waste Material Recovery Facility in ELCITA's Sustainability Park.

The proposed Centre for Sustainable Development aims to serve as a hub for research, innovation, and community engagement, driving the township towards a greener and more sustainable future.

Specific Purpose of the Centre

The fundamental Principle governing Sustainable Development is that the Development should meet the needs of the present without compromising the ability of future generations to meet their own needs.

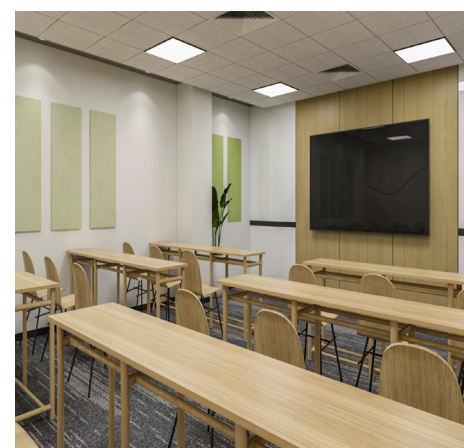
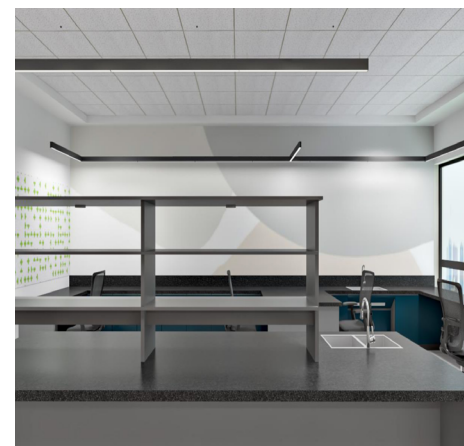
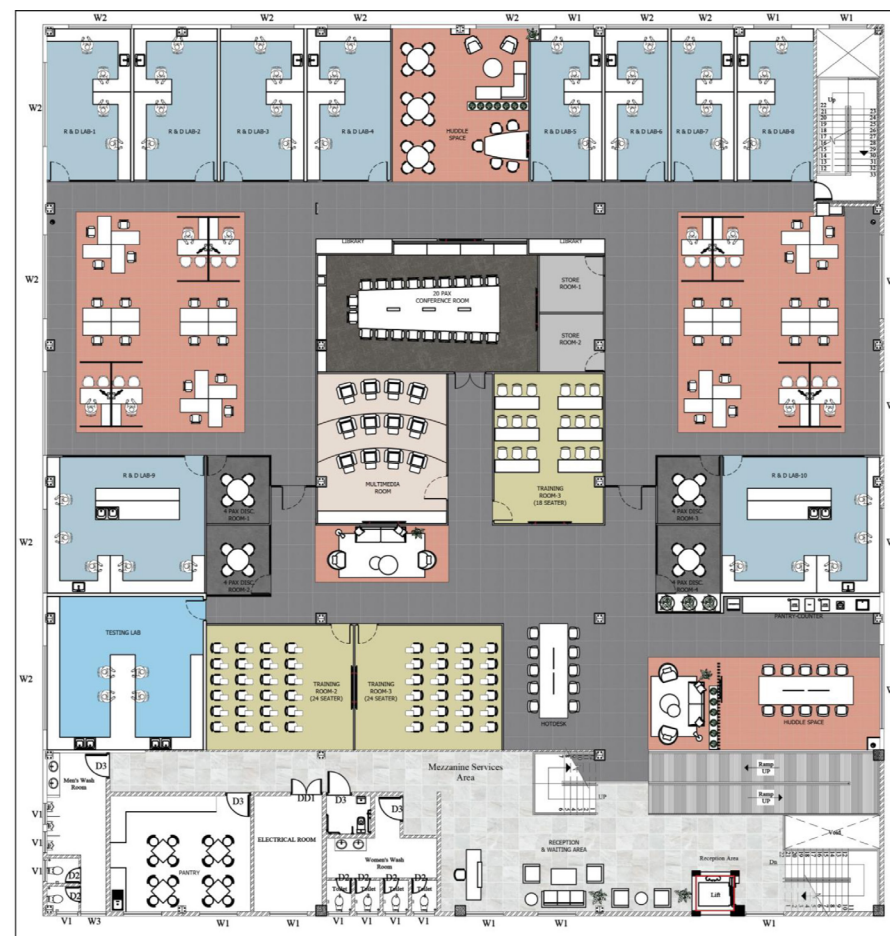
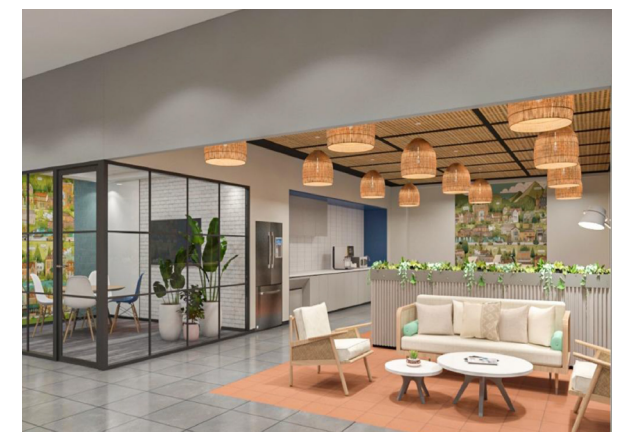
The Specific purpose of the Centre for Sustainable Development is to foster innovation. Collaboration and implementation of sustainable practices across various sectors, ultimately contributing to the development of a more sustainable, resilient and liveable township.

Objectives

Here are some objectives for setting up the Centre for Sustainable Development:

- **Research:** The Centre's primary objective would be to conduct research on sustainability-related topics. This includes studying environmental impacts, developing sustainable technologies, and analysing socio-economic aspects of sustainable practices.
- **Develop Best Practices:** The Centre would aim to develop and promote best practices in sustainability for various sectors, such as Energy, Water, Waste Management, Transportation, Green Buildings & Infrastructure, Air Quality, and Sustainable Townships. These practices can serve as guidelines for businesses, governments, and communities to adopt sustainable approaches.
- **Foster Collaboration:** Encourage collaboration among researchers, industry experts, government agencies, and non-profit organizations to create a robust network of sustainability stakeholders. Collaborative efforts can lead to shared knowledge, resources, and solutions.

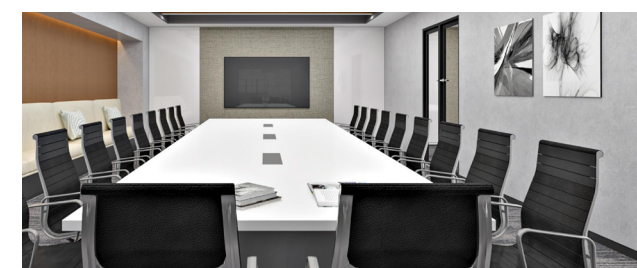
- **Support Policy Development:** Provide evidence-based recommendations and data to support the development of sustainable policies at local, regional, and national levels.
- **Educate and Train:** Offer educational programs, workshops, and training sessions to raise awareness and build capacity in sustainability-related fields. Empower individuals and organizations with the knowledge and skills to implement sustainable practices effectively.
- **Promote Innovation:** Encourage innovation in sustainability by supporting research and development of sustainable technologies, green products, and circular economy solutions. Facilitate incubation and acceleration programs for sustainable startups.
- **Measure and Evaluate Impact:** Establish a system to monitor, measure, and evaluate the impact of sustainability initiatives and projects. Use data-driven insights to refine strategies and enhance the effectiveness of sustainability efforts.



By achieving these objectives and desired outcomes, the Centre for Sustainable Development can become a driving force for positive change, advancing the adoption of sustainable practices and contributing to a more sustainable and resilient future.

The establishment of the Centre for Sustainable Development represents a visionary leap towards a greener and more resilient future. This comprehensive initiative is poised to drive transformative change across multiple fronts, with a particular focus on waste management, water conservation, and groundbreaking research in sustainability.

Moreover, we are deeply optimistic about our ability to rally the support of ELCITA's esteemed member companies. Their involvement, expertise, and dedication to sustainable growth will be instrumental in ensuring the resounding success of these transformative initiatives. With their collaboration, we are confident that our Centre for Sustainable Development will not only meet but exceed their anticipated benefits, propelling our community towards a future that is environmentally conscious, economically vibrant, and socially inclusive.





Aesthetics and Greenery

Town planning prioritizes aesthetics, including maintaining and enhancing green cover and managing odour and noise. Our teams ensure cleanliness and a robust green cover with 51 plant species selected for climate compatibility and pollution reduction. We've covered all pedestrian pathways with trees to maintain cooler temperatures.

The Landscape Management team conducts regular maintenance, and we've distributed over 13,000 saplings to promote greenery. Future plans include junction beautification and Signage enhancement considering design and utility. We enhanced the KSSIDC complex's gardens, improving township aesthetics further.

Beautification of Junctions



ELCITA has planned to beautify the junctions in Phase I and Phase II of Electronics City. This project aims to enhance the traffic intersections to create safer, more efficient, and appealing environments. Currently, we plan to beautify four junctions: Oterra Junction, Wipro Junction, SBI Junction, and XIME Junction.



The call to act responsibly and protect our environment is a shared obligation that has never been more pressing for future generations to come.

- Soumya Venkatesh
Hical Technologies Private Limited
Member - Sustainability Committee



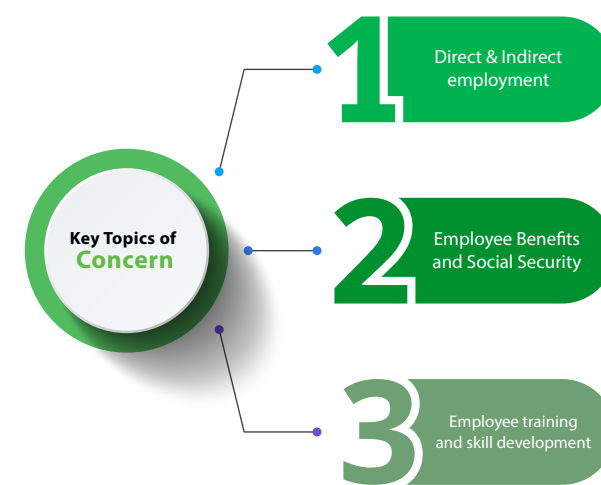
Social Impact Employment Practices

ELCITA, as the main service provider for the Electronics City township, employs various personnel for operations and maintenance activities, adhering to Karnataka's government and labor department compliances. We maintain fair working conditions, including equitable working hours, remuneration, job security, and social security.

As of March 2024, we have 31 direct employees and approximately 337 contract workers in roles like housekeeping, maintenance, security, and driving. We uphold non-discrimination in all HR processes and align with our Code of Conduct, which is reinforced through annual refresher trainings.

We offer fair employment practices and benefits, including maternity and paternity leave, PF, health insurance, term life insurance, and gratuity. Employee engagement is fostered through quarterly team-building activities and outings, with operational changes communicated a month in advance.

Contractual work is tendered through Karnataka's e-procurement portal, with vendors adhering to our labor and human rights terms. We monitor key vendors' labor practices to ensure they align with our Code of Conduct. No non-compliance related to labor practices, discrimination, or harassment was recorded this year.



Our Earth, our Responsibility!
ELCITA shows the way to a Sustainable Tomorrow.

-Vijayalakshmi S
Infosys Limited
Member - Sustainability Committee



Age	<30		>30		>50	
	Male	Female	Male	Female	Male	Female
Employees	3	8	7	4	9	0
Contractual Staff						
Housekeeping	42	16	62	46	9	7
Security	16	3	39	4	17	0

Table: Employee and contract workforce numbers as of 31st March 2024

Training and Skill Development

ELCITA has established formal processes for career development reviews, training needs assessments, and employee evaluations to identify training areas that enhance productivity and personal development, ensuring employees' skills remain current.

Performance reviews are conducted periodically, aiding in career development and informing rewards and recognition. The annual appraisal process, validated by the CEO, is communicated in counselling sessions, covering all employees and consultants. Training calendars and individual plans are set annually based on these reviews.

In the reporting period, 81 hours were dedicated to training in management, software, e-procurement, ISO standards, GIS, safety, and POSH and Code of Conduct refreshers. This investment in training underscores ELCITA's commitment to continuous employee development and adherence to best practices.



Health and Safety

Recognizing safe and conducive workplace conditions as a human right, ELCITA is committed to minimizing accidents and ensuring workforce wellness, which is vital for productivity and business continuity. While some hazards are inevitable, we take every precaution to reduce injury risks and uphold physical safety for all within our premises.

We have an occupational safety management system covering all township operations, with identified hazards, risk assessments, and mitigation measures recorded in our Risk Register. Our Emergency Response Team (ERT) is ready to address emergencies, with details displayed estate-wide.

We've identified hazards like slips, trips, falls, electrical issues, and fatigue, but no significant risks to occupational health. Safety officers oversee large projects, while safety managers monitor day-to-day operations. Monthly meetings with contract staff address safety concerns.

Training and awareness sessions maintain health and safety vigilance. We also promote well-being through yoga sessions and health checkups. ELCITA plans to enhance its safety system with ISO 45001:2018 training for employees, reinforcing our commitment to a safe working environment.

Initiatives and Benefits

- Employee health checkups for all
- 72 persons certified to first aid trainings
- Health insurance coverage of Rs. 8 lakhs for all employees and family members
- Term life insurance coverage of Rs. 50 lakhs
- Discounts for medical treatment

Safety Trainings

Security Safety Training | Traffic Control Training | Driver Training | Safety Hazard Training | Terrier Training | First Aid Training | Use of Equipment | Electrical Dos and Don'ts | Spill Kit Training | ERT Training

Security

Physical Security and Road Safety

ELCITA prioritizes the safety of all individuals within Electronics City, including employees, visitors, and the surrounding community. Security measures include regular patrols by our teams, CISF, and local police, who are trained in human rights and dignity to ensure accessibility and safety for everyone.

Our extensive CCTV network aids in identifying and responding to incidents, assisting police in case investigations. Traffic flow is regulated with entry and exit controls for heavy vehicles and driver awareness sessions. Innovative dynamic signals manage traffic, and our Road Safety Expert committee, comprising member company experts, meets quarterly to review safety incidents and identify improvement opportunities.

Routine inspections identify potential hazards like potholes and signage issues. Despite these measures, four road fatalities occurred last year due to improper driving and over speeding. Corrective actions, including illuminated signages and improved barricading, have been implemented to prevent future accidents.

Emergency Response and Business Continuity ELCITA's Disaster Management Plan outlines procedures to handle emergencies like supply disruptions, fires, and security threats. Disaster Management Councils and a Crisis Management Team coordinate with state and district authorities, including CISF, NSG, and police, for effective response. Regular drills and audits assess vulnerabilities and preparedness for potential natural calamities, ensuring township readiness and safety.

CCTV Surveillance

Our CCTV surveillance camera and Optical Fibre Cable (OFC) networks help us in monitoring traffic and carrying out surveillance of the township area, as well as remotely controlling traffic with the help of IP-based public announcement (PA) system.

CCTV data archives are maintained for 30 days in a First-In-First-Out manner for any reference, while taking adequate care to ensure data privacy and confidentiality. A CISF command centre monitors the 24x7 CCTV dashboard for any alerts, and any untoward incidents related to law and order, citizen safety or accidents, which are shared with respective law enforcement authorities for their action. During 2023-24, we enhanced our network of cameras by adding 67 new CCTV cameras, bringing the total count across the township to 553.



ELCITA celebrated its 10th Anniversary on June 18, 2023, in a grand manner. It was an opportunity to walk down memory lane. All past and present committee members were present with good representation from the member community as well. The growth and achievements of ELCITA were appreciated by one and all. Artists enthralled the audience with scintillating music and dance performances. It was an event to remember.

CSR Sponsorship & Collaboration

Several Member companies have come forward to sponsor sustainable activities within Electronics City under the Corporate Social Responsibility (CSR) program.

The Infosys Foundation has sponsored the construction of two 'Smart Bus stops.' Key features within the bus stop include USB charging spots, Digital Information System, Vending machines, Sensor based lights and waste bins, SOS Emergency alarms and a vertical garden. Where possible, solar panels are placed on the roof of the bus stop to provide energy for its operations. ELCITA plans to construct 15 bus stops within Electronics City and solicits sponsorship from member companies for the same.

Fanuc India and Gold Hill Excelsior Park have sponsored EV waste collection trucks for use in our Solid Waste Management Facilities. These collections trucks are used to collect waste from member companies in Electronics City.

ELCITA gratefully acknowledges these sponsorships. Organizations that wish to sponsor sustainability activities on their CSR program within Electronics City are invited to partner with ELCITA for the same.



Services, Infrastructure Maintenance, and Management

Electronics City as a model smart city needs to keep pace with the growing needs of its communities. Adequate and timely maintenance of infrastructure and existing utilities including Roads, Fibre Optic Cables, Transport Services, traffic signals and streetlights is very important. To retain its position as a pioneer and model city in Bengaluru and India, ELCITA also needs to promote activity and incentivize green buildings and infrastructure, as well as facilities which will further improve its functioning such as Toll Plaza's, EV charging stations, as well as facilities for improved accessibility.



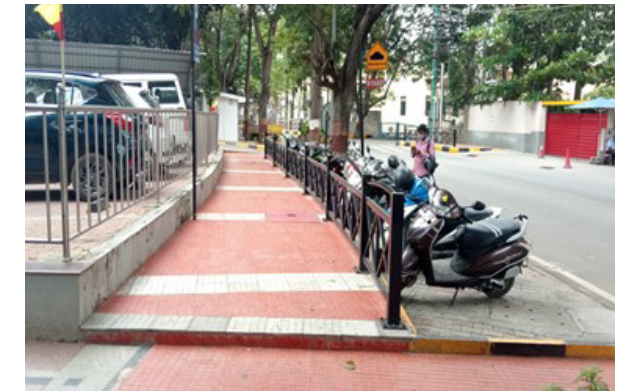
Estate Management

The Estate management function plays a crucial role in maintaining and improving the public infrastructure and utilities within the jurisdiction of ELCITA, ensuring a safe and sustainable living environment for its citizens.

- Infrastructure Development:** The Civil team ensures development and maintenance of public infrastructure and utilities, such as roads, footpaths, drains, railings, walkways, STPs, septic tanks, SWM facilities, FOBs, and rainwater harvesting systems including large projects such as toll plazas and the Sustainability Park. These initiatives focus on improving the quality of the built environment and promoting sustainable practices.

Social Engagement:

- Housekeeping:** The housekeeping team plays a vital role in maintaining the overall cleanliness and aesthetic appeal of the estate. ELCITA ensures that the team uses the most up-to-date equipment for effective estate maintenance.
- Citizen-Centric Services:** ELCITA aims to provide world-class services to its citizens by partnering with agencies that offer innovative, citizen-centric services. This approach ensures a focus on delivering the best experience to its citizens and meeting their evolving needs related to city infrastructure.
- Accessibility:** We continuously evaluate pedestrian pathways and crossings for obstruction free movement for persons with disabilities. We also consider accessibility features in all upcoming developmental projects; for example, our new Sustainability Park has been designed considering accessibility for all with adequate wheelchair ramps, accessible lifts, and dedicated washrooms.

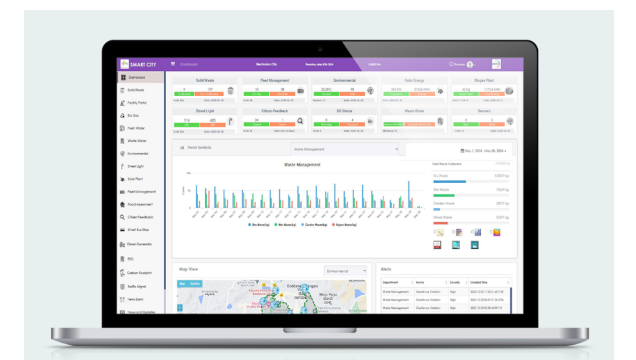


IT Infrastructure

Within ELCITA, we have in place a comprehensive industry standard IT infrastructure that guarantees email and internet access for all employees, maintaining uninterrupted service availability and uptime as outlined in our Standard Operating Procedures. Our aim is to adopt automation through various initiatives, towards improving overall business efficiency and continuity for our stakeholders and ourselves. Further, being the lifeline of the township, we need to ensure both physical and virtual infrastructure is safe and secure, as any damage or vulnerability would be catastrophic and lead to huge losses.

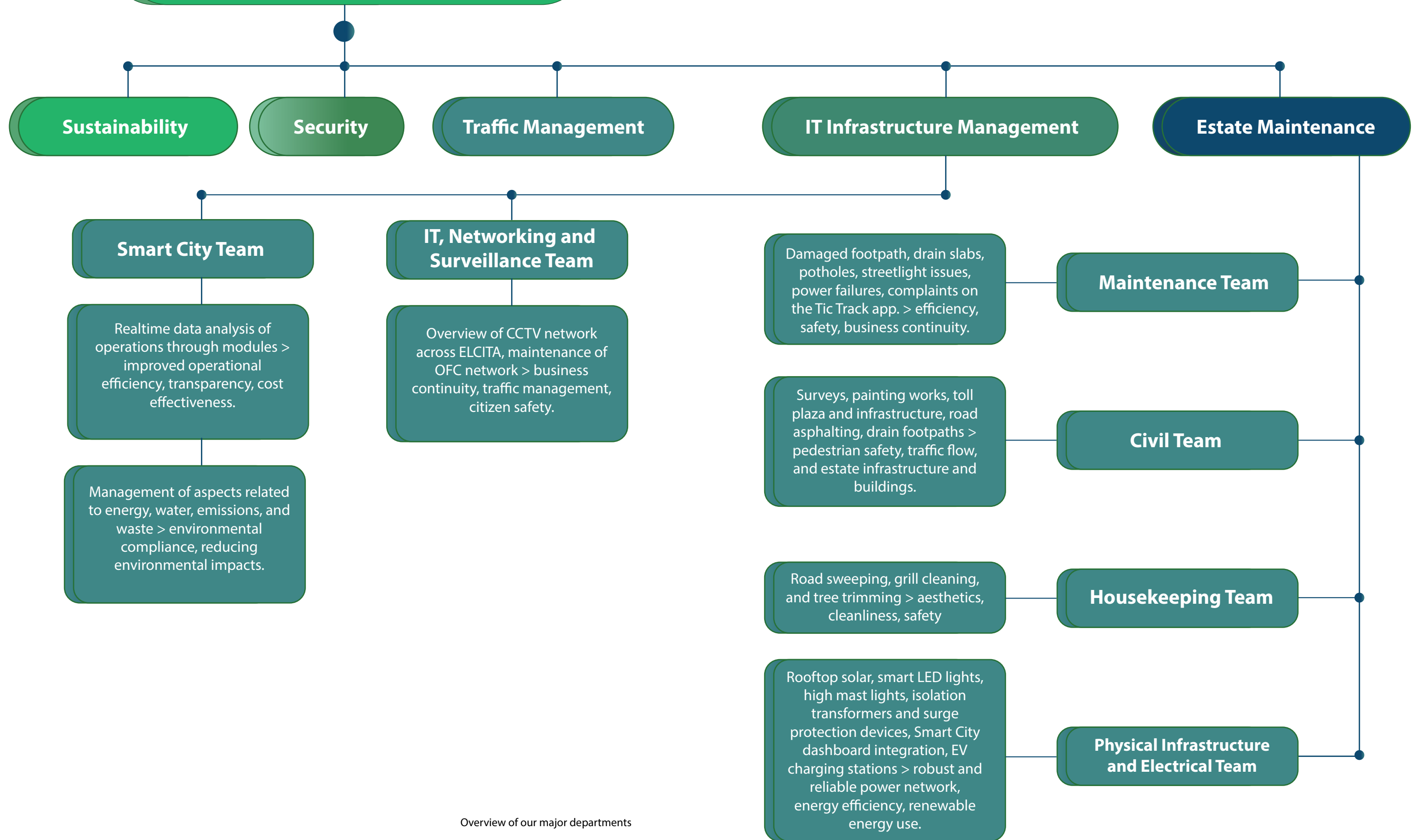
We are certified compliant to ISO 27570, which is a global standard dealing with privacy protection and privacy guidelines for Smart Cities.

ELCITA has adopted cloud-based email services and Azure Active Directory to ensure secure and stable communication,



as well as effective identity access management infrastructure. Furthermore, servers and endpoints are centrally managed with antivirus and patch management systems to maintain a secure infrastructure and mitigate potential vulnerabilities, besides carrying out cybersecurity audits. System and data backup are periodically taken for all critical IT infrastructure to ensure business continuity.

Service Management



Overview of our major departments

Supporting Public Service Entities

ELCITA actively supports local Public Service Entities including Police Stations, the Fire Service Station, NHAI, and BMRCL by helping them to enhance and maintain their physical Infrastructure within Electronics City.

Police Stations Renovation



ELCITA worked with the Police Authorities to renovate their Electronics City stations. It helped to improve the landscape around the police stations by removal of seized vehicles which were cluttering the area and also helped enhance the area by introducing railings and attractive flora.

NHAI Collaboration



In partnership with the National Highway Authority of India, ELCITA enhanced greenery under the flyover and helped renovate its public toilets.

BMRCL Collaboration



Upon BMRCL's (Bangalore Metro Rail Corporation Limited) request, ELCITA painted pillars and landscaped the medians between Hosur Road Metro Station and Electronics City Metro Station.

KSSIDC Complex



The electrical panel rooms in each of the three blocks were renovated completely.

Fire Service Station



ELCITA undertook to renew the electrical infrastructure within the Fire Service Station Complex. It also carried out extensive waterproofing work and painting the entire building interiors and exteriors.

Feedback

ELCITA's Skywalks



Feel like walking in the sky? Feel free to use our safe skywalks. ELCITA is all about making your every day secure and stress-free!

11:44 AM · Feb 16, 2024 · 208 Views

View post engagements

2 2 16

Post your reply

Vukoti Dhanu · Feb 16
E-City is always different than the rest of the Bangalore. Thanks @ELCITA_IN for making it a very good place to be in here.

Patriot · Feb 16
This is the Model Bangalore should follow @DKShivakumar. Electronic City seems to be different from rest of Bangalore.

Dave · Apr 25
Replying to @dabir and @ELCITA_IN
Absolutely

P.D. · Apr 25
Replying to @motordave2 and @ELCITA_IN
Indeed, they are THE BEST! Bangalore's upkeep should be given to them.


Dave · Apr 25
Replying to @dabir and @ELCITA_IN
Elcita management upto some fantastic work.

P.D. · Apr 25
Replying to @ELCITA_IN cc @motordave2

Sanjay Maradi · 15h
Visiting Ecly in Bengaluru after many years. Clearly a different city. Clean. Well paved, functional footpaths. Traffic signs and signals in all appropriate locations. Way to go @ELCITA_IN

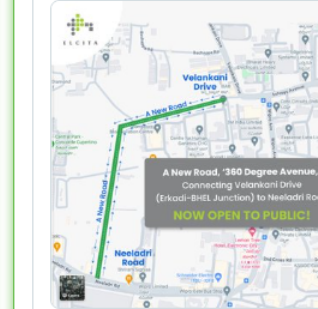


ELCITA @ELCITA_IN · Apr 25
The 360 Degree Avenue is a collaborative effort between ELCITA and Labzone, Electronics City Private Limited, the 360 Degree Business Park developers in Electronics City's Phase 3.



A New Road, "360 Degree Avenue," Connecting Vasantpur Drive (Road-8th Junction) to Neeladri Road NOW OPEN TO PUBLIC!

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ELCITA

DP SATISH · Apr 25
Electronic City in Bengaluru is India's first IT hub. Almost 35 years old. No flooding, no water logging here. Excellent civic amenities management by autonomous ELCITA. Perhaps the only dry IT area in entire city. So-called IT corridor built in the last 25 years is under water.

Sustainability park makes E-City No 1 in waste treatment

Metrolife visits Elcita to check out its pioneering efforts in sending zero waste to landfills

RASHMI RAJAGOPAL
TEAM METROLIFE

A sustainability park launched in Bengaluru is being hailed for its pioneering work in waste treatment and recycling. Set up by Elcita (Electronics City Industrial Township Authority) in the heart of Electronics City, it has been successful in implementing a zero-waste-to-landfill policy. Bengaluru's severely deficient waste management system has resulted in the burgeoning of multiple landfills around the city, with more being planned by Bengaluru Solid Waste Management Limited (BSWML). Groundwater contamination, leachate, fires and poor soil fertility are some of the hazards of landfills. Controlling the growth of such landfills can make a substantial difference to the city's ecosystem.

How it is done
At the park, spread across two acres, trucks bring in waste collected from the neighbourhood, which houses industries, MNCs, restaurants and hotels. They collect an average of 10 tonnes of waste daily, of which four tonnes are food waste. A weigh bridge on the premises gives them accurate numbers. While the waste is broadly segregated into wet, dry and reject waste, it is segregated further at the facility. Food, 40% of the collected waste, is sent to a biogas plant. Leaves and sticks collected from roads and public spaces are turned into compostable material, mulch or wood chips. They account for 10%. The dry waste is separated on the basis of size through a trommel machine and ballistic separator. It is sorted into 38 categories, like tetra packs, silver foil, milk covers, paper cups, HM (high molecular) covers and multilayer plastics. Articles like tissue paper, plastic covers, PET bottles and plastic food containers are recycled. Baling machines installed at the facility bale the plastics and paper into 150 kg bales, before they are sent to recyclers. The materials find new life as buttons, road surfacing, PET bottles, buckets, shoes, thermocol and jewellery boxes. This comprises 30% of the refuse collected. The remaining 20%, reject waste, is shredded and sent to a plant that makes clinkers. Clinkers are ground to make cement. Zero waste to landfill, down from around 800 kg waste daily a year ago.

is no joke. We had been experimenting and perfecting our model for 12 months. The BBMP and the directorate of municipal administration have expressed interest in our waste management model," said a spokesperson for Elcita. The Indian Green Building Council has given the facility a platinum rating. It was also awarded the "Most Innovative Project" at the national level by the Confederation of Indian Industry.

Boon for lake
At the 1.2 MLD (million litres per day) sewage treatment plant on the premises, sewage water from neighbouring villages and residential areas is treated with a membrane bio reactor. The water is passed through a membrane that removes dust and dirt. After the treatment, the recycled water is used to water plants and clean public areas in Electronics City. "After the plant was set up, the sewage water draining into the adjacent lake has been diverted," another spokesperson explained. The 250 kWp (kilowatts peak) solar plant has enabled the facility to be almost carbon neutral since it began operations in late November. The first floor of the space has been earmarked for a Centre of Excellence for Sustainable Development. Elcita hopes to use it for research and training in the field of sustainability.

HOW IT WORKS
Total daily waste: 10 tonnes
• Food waste: Turned to biogas
• Sticks, leaves: Turned into mulch, wood chips and compostable material
• Reject waste: Pulverised to make road surfacing
Sewage is filtered and the water is used for plants and cleaning public spaces.



Left) Staff sort dry waste into 38 categories at Elcita's sustainability park. (Above) Its sewage treatment plant diverts polluted water from draining into the adjacent lake.

ELCITA's Sustainability Awards

ELCITA's Sustainability Awards was launched primarily to recognize and celebrate the remarkable Sustainability efforts of our Member Companies in Electronics City. It was to also provide an opportunity for members to showcase their sustainability best practices.

At ELCITA we believe in fostering a culture of Sustainability, and these awards are a testament to our commitment to promoting sustainable practices within our communities. The award is open to all member companies.

Based on size and nature of business, four categories as follows was created

- Large Companies
- Medium & Small Companies
- Research, Educational, Hospitality & Commercial Organizations
- Public Service Entities

Gold and Silver Awards are to be given to each of the categories for overall excellence in Sustainability. Apart from this, entities that excelled in the following areas were earmarked for excellence awards in the respective area.

- Water
- Waste
- Energy
- Biodiversity
- Air Quality

The Sustainability Awards 2023-24 saw good participation from a diverse group of 32 applicants across the four categories. The evaluation process was meticulously designed with two levels: a questionnaire accounting for 70% of the total score and a presentation making up the remaining 30%.

The Inaugural Award Ceremony this year is planned to be held on June 28, 2024. ELCITA hopes to make this an annual event going forward.



Winners of ELCITA's Sustainability Awards 2023-24



Governance

The Management Committee of ELCITA comprises five members from companies in Electronics City - two representatives from large industries and three from medium and small industries. Additionally, the government nominates three members, one each from Town Planning, Urban Development, and the Department of Commerce & Industries. The President of one of the local panchayats, from which the industrial estate is carved, also serves as a nominated member. The President of ELCIA is co-opted as an invited member representing industries located in Electronics City.

Prospective members for the highest body submit their nominations to ELCITA and are selected through an election process for a term of three years. The criteria for independence of members are articulated by UDD and is ensured during the nomination process.

Nomination also ensures that members possess required expertise, including qualifications, positions, and experience. This considers collective competency of the Committee on relevant topics such as town planning, infrastructure, finance and accounts, and sustainability.

The current committee members were elected for the tenure 2023-2026 through elections held in August 2023.

The election of members is conducted under the aegis of an observer appointed by the UDD, and results are submitted to the Government of Karnataka. Details on terms and procedures of election are in line with the Karnataka Municipalities Act 1964 and its annexures, and the Karnataka Industrial Township (Election of Chairperson and Members) Rules 2017 and are brought out in the UDD notification: <https://elcita.in/wp-content/uploads/2023/07/Election-Notification-UDD-MLR-2016-dated-11-04-2017.pdf>

The Management Committee

The Chairperson of the Committee is selected by the elected members of the ELCITA Committee. The Committee meets every month and requires five members to constitute a quorum.

Meetings usually include:

- A message from the Chairman
- An account of actions on topics discussed in the previous meeting
- Discussions on financial statements including incomes and expenditures, collection status of taxes and levies, and budget utilization for the year.
- Topics related to compliance and approvals, including budget requirements to be submitted to the Government of Karnataka for approval. Grievances management
- Any other matter, with the permission of the chairperson

Committee members are involved in knowledge exchange and participate actively in events, seminars, and project demonstrations, to enhance their collective knowledge and skills on topics related to ESG and sustainability.

A review of sustainability performance by the committee includes monitoring of the status of projects related to sustainability, and budgeting and planning for future projects and initiatives.

The ELCITA Committee communicates on its performance and budgeting activities to the Department of Municipal Administration, who in turn, convey this information to the UDD. The Committee is supported in its functions by eight subcommittees. Members are bound by ELCITA's Code of Conduct once they take on roles in the Committee.

Expert Committees



Expert Committees

ELCITA's Management Committee provides strategic directions, and our executive team implements the same, besides overseeing overall management of impacts of our operations. However, to leverage the large experience base available in various companies within Electronics City, sub-committees have been constituted to focus on specific ESG areas. Members to these sub-committees are co-opted by the committee based on their interests and skills. This concept helps in getting new ideas, access to latest technologies and enables collective decision making, which has been our hallmark and has been widely appreciated. The objective of the expert committees is to create centres of excellence in all areas of our functioning, with a vision of making Electronics City a model city.

Eight sub-committees have been created to formulate goals in their respective areas. Their recommendations are discussed at the committee level for further action. The expert committees also represent requirements and requests of citizen companies. Current expert committees are functioning in the areas of Town Planning, Infrastructure, Stakeholder Management, Finance & Governance, Security, Safety & Mobility, Sustainability, Smart City, and Prevention of Sexual Harassment (POSH).

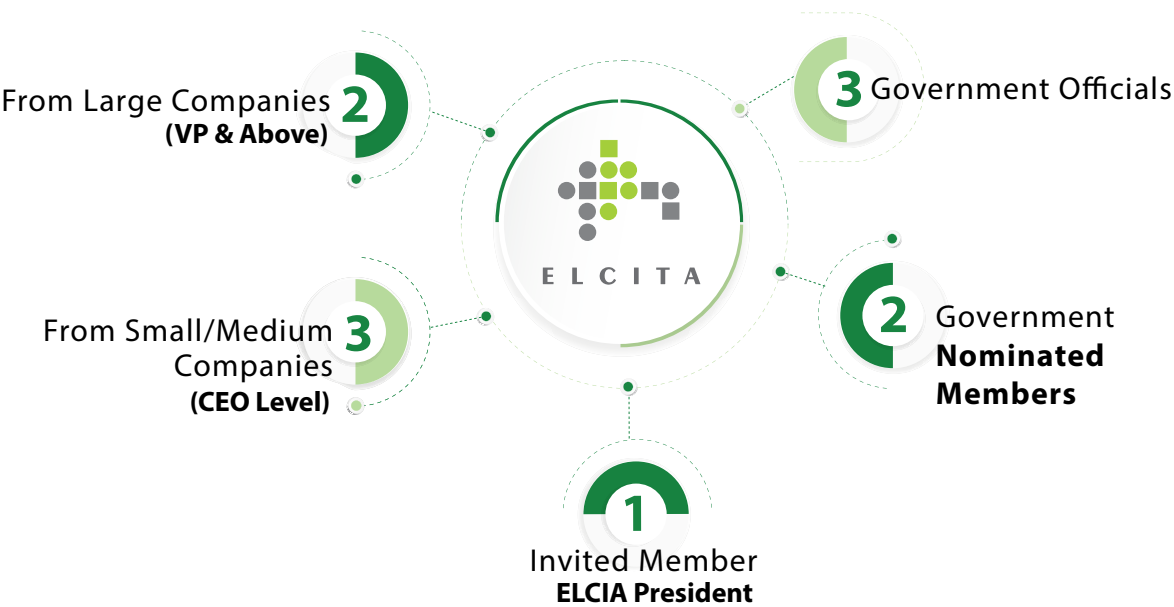
Key Responsibilities of Expert Committees

- Set short term and long-term goals
- Facilitate the creation of plans to achieve goals
- Provide inputs on state-of-the-art technologies and practices
- Catalyze the implementation of projects.

Appointment of CEO and other Staff

Persons possessing such qualification as may be notified by the Government is appointed as the Chief Executive Officer of the Township Authority. The terms and conditions of service of the CEO, Officers and employees including remuneration payable to them is determined by the Authority from time to time as per guidelines provided by the KMA, 1964. Salary structures, and its benchmarking, evaluation, and subsequent corrections, are considered through independent remuneration consultants, and reviewed by Management Committee members.

Management Committee





Economic Performance

ELCITA was formed as per the requirements set out in Chapter XVI-A of the Karnataka Municipalities Act 1964. We follow the Karnataka Municipalities Accounting and Budgeting Rules, 2006 in preparing our budget and accounting of our income. As per this, we prepare our budget on a cash basis after which it is approved by the Management Committee and forwarded to the DMA and local audit circle for final approval.

Accrual system of accounting is followed for recording revenues to the extent practical and feasible, and receipts of a capital nature are segregated and reported separately from revenues.

We are also entrusted with collecting taxes on behalf of the local and state authorities. As per Sec 364 (J) of the KMA, 1964, thirty percent of the property tax collected by the Industrial Township Authority shall be remitted to the panchayats. In addition, we remit 26% Cess collected along with the property tax to the following departments on a collection basis- (a) Beggary Cess- 3%, (b) Health Cess - 15% © Library Cess - 6%, (d) Urban Development Cess – 2%. We also pay towards the Karnataka State Building and Other Construction Workers Welfare Cess and the slum Cess as per The Karnataka Slum Areas (Improvement and Clearance) Act, 1973.



Electronics City is a testament to the power of collaboration, innovation, and responsible governance. Here, ELCITA fosters responsible growth by seamlessly integrating environmental considerations, social leadership, and ethical practices.

As a showcase of city-scale sustainability solutions, Electronics City sets a benchmark for replicable and responsible development, leading the way for communities everywhere.

-Aruna C. Newton, Infosys Limited
Member - Sustainability Committee



(In Lakhs of Rupees)	FY 2023-24	FY 2022-23	FY 2021-22
Direct Economic value generated	5,465.34	5,139.78	5,060.59
Revenues	4,444.67	4,124.41	4,389.38
Other Income	1,020.67	1,015.37	671.21
Economic value distributed	4503.47	4,558.62	3,746.03
Operating costs	4311.53	4359.50	3578.92
Employee wages and benefits	191.94	199.11	167.11
Payments to Governments (Panchayat)	491.57	457.94	462.77
Community Investments	NIL	NIL	NIL
Economic value retained	470.30	123.17	851.79

Table: Economic Performance of ELCITA for the last three financial years

We follow robust approaches of verification of cashbooks and checks of ledger accounts daily. Stock and payment reconciliation, payment of government dues and pension contributions, and closing of ledger accounts, is carried out monthly.

Income & Expenditure		
Key Income		Expenses
Property Tax	Trade License	Administration
Safety and Traffic Management Charges	Penalty on Trade License	CISF
Public Utility Service Charges	Khatha Transfer Fees	Estate Management
Infrastructure Development Fees	Khata Extract Fee	IT
CISF Charges	Amalgamation of Khata	Security
Water charges	ROW charges	Smart City
Sanitary Charges	Building License Fee	Sustainability
Interest on Property Tax	Infra Fee (Building License)	Water Management
Interest on Other Levies	Commencement Certificate Fees	Purchase of Assets
Sales of compost and scrap	Road Naming Charges	Reimbursement of CISF Food



Enabling Transparent Communication

ELCITA Townhall

During the reporting period, we continued with the frequency of two townhall meetings a year, to facilitate a more collaborative approach among the taxpayers and companies within the jurisdiction of the Electronics City industrial township area.



Outdoor LED displays: The LED displays show real-time information important to commuters. This includes traffic updates, safety alerts, environmental awareness messages, and details about community events.



Grievance Management

ELCITA being a nodal entity established to govern and support sustainable development of Electronics City is also responsible for a functional and active grievance redressal process.

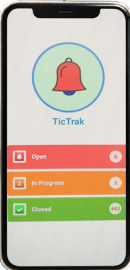
Stakeholder Group	Channel	Categories Handled
Employees	<ul style="list-style-type: none">Open-door policyHRWhistleblower MechanismPOSH	<ul style="list-style-type: none">Employment-relatedEthical concernsHarassment
Other Workers – Consultants, Contract Workers	<ul style="list-style-type: none">Whistleblower MechanismPOSH	<ul style="list-style-type: none">Employment-relatedEthical concernsHarassment
Suppliers and Business Partners	<ul style="list-style-type: none">Whistleblower MechanismAccounts Department	<ul style="list-style-type: none">Ethical concernsTerms of contract (eg. payment)
ELCITA Members	<ul style="list-style-type: none">Townhall Meetings	<ul style="list-style-type: none">Estate-related concernsProperty tax concerns
Local Community and Public	<ul style="list-style-type: none">CEOSuggestion BoxCitizen AppOutdoor LEDs	<ul style="list-style-type: none">Estate-related concernsSocial issues
Governments (Local and State) and Regulatory Agencies	<ul style="list-style-type: none">CEO	<ul style="list-style-type: none">Compliance

Our Whistleblower Policy is applicable to employees, contractors, and business partners for reporting any cases related to ethical concerns anonymously without fear of reprisal. Reported cases need to be investigated and closed within 120 business days from the logging of the case. During the year, there were no recorded cases through the whistleblower channel.

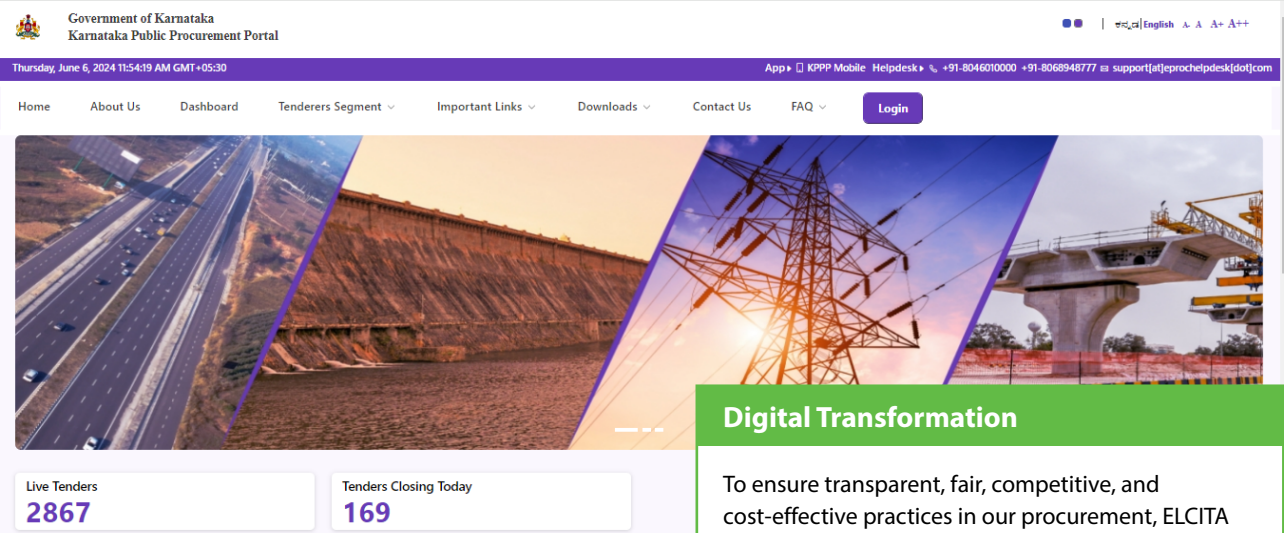
ELCITA Website

The ELCITA website is the digital face of our Organization. We use the website to provide up-to-date information, and to provide a platform for our members and citizens to interact with us through inquiries and feedback. We advertise on job openings and to recruit potential employees. The website provides essential information regarding our service offerings and contact details.





TicTrack App has been implemented by us to allow residents to upload complaints and grievances related to the estate. This digital platform enables efficient tracking, resolution, and communication of issues, enhancing transparency and responsiveness. During 2023-24, we recorded 123 complaints through this App, of which all have been closed.



Responsible Procurement

At ELCITA, we consider our suppliers and vendors to be our key partners in delivering our services and a major contributor to our continuous success.

To incorporate and promote sustainable development, we ensure all our sourcing practices are conducted in a responsible manner with an emphasis on environmental and societal benefits. For instance, we have started encouraging suppliers to reduce the use of plastics in packaging.

Our suppliers must adhere to the applicable regulations, procedures, guidelines, and policies set by the Government of Karnataka through the Karnataka Transparency Public Procurement Act (KTPP).

After onboarding and selection, suppliers are continuously evaluated by respective user departments on various criteria including compliance, performance levels, quality, and applicable social and environmental performance.

Digital Transformation

To ensure transparent, fair, competitive, and cost-effective practices in our procurement, ELCITA adopts e-tendering.

We have initiated the digitization of our processes towards eliminating paper use and improving efficiency and communication between stakeholders. Going forward, we aim to completely transition to a 'paperless office'.

“

This ESG report reflects the dedication and hard work of the individuals behind ELCITA's Sustainability Initiatives. We dedicate this report to everyone who has tirelessly contributed to these efforts over the years.

-Brunda M
Manager- Sustainability, ELCITA







Team ELCITA



Smart City

A robust communication network infrastructure across the estate helps to link Internet of Things (IoT) devices to our Centralized Command Centre (CCC). This backbone enables real-time monitoring of city operations and empowers citizens with crucial updates through a user-friendly dashboard. We have implemented 23 modules with the help of partners and service providers covering various municipal and non-municipal functions that are critical for the monitoring of the services provided and ensure smooth functioning of the city.

These modules are integrated within the I Connect platform that helps to analyse data in real time and share processed information within departments, management teams, and citizens as required, enabling close collaboration between stakeholders. Processed information can be utilized for data visualization and deep analytics that helps ELCITA prepare for problems,

Smart City Dashboard

Smart city dashboard integrates smart streetlights, diesel generators, high mast lights, and UPS systems operated by us. This integration allows for the analysis of equipment energy consumption, providing data for informed decision-making and immediate action during emergencies.

coordinate, and manage response efforts and enhance the ongoing efficiency of city operations. It can also be used to spot patterns or trends and explore scenarios to predict the impact of future events. These modules also help in keeping track of ELCITA's progress with respect to its ESG targets such as our journey towards becoming "Net Zero".

Monitoring Environmental Initiatives

- Smart Waste Management
- Smart Biogas plant
- Efficient Sewage Management System
- Fresh Water Management for Conservation
- Air quality parameter monitoring
- Smart streetlights & High mast lights
- Monitoring of Smart Diesel Generator Sets
- Solar Plant Integration
- Carbon Footprint

Governance

- Seamless e-governance
- Efficient Fleet Management
- Efficient Road Assessment
- Improved Traffic management
- Social Media Platforms

Social Initiatives

- Grievances management
- Cutlery bank
- Free Shuttle bus for Citizens





Electronics City Industrial Township Authority

S.No.7 (P), Hosur Road , ELCIA Complex, West Phase,

Electronics City, Bengaluru, Karnataka 560100.

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