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Ministry of Housing and Urban Affairs
Government of India

Government of Rajasthan

LiFE Lifestyle for Environment

12th Regional 3R and Circular Economy Forum in Asia and the Pacific

3rd - 5th March 2025 I Rajasthan International Centre, Jaipur, India

Realizing Circular Societies Towards Achieving SDGs and Carbon Neutrality in Asia-Pacific

3-5 March, 2025

Rajasthan International Center, Jaipur City, Rajasthan, India

A Swachh Bharat Mission Initiative

In Collaboration with

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Co-Organisers

Ministry of Housing and Urban Affairs
Government of India

Ministry of the Environment
Japan

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FORUM CHAIR

Hon'ble Shri Manohar Lal,

Minister of Housing and Urban Affairs (MoHUA), Government of India

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United Nations Human Settlements Programme (UN-Habitat)
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3R International Scientific Conference on Material Cycles and Waste Management (3RINCs)
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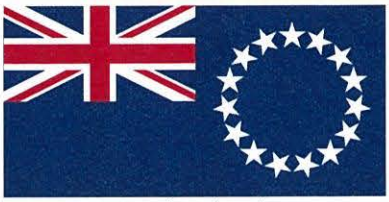
The People's Republic of China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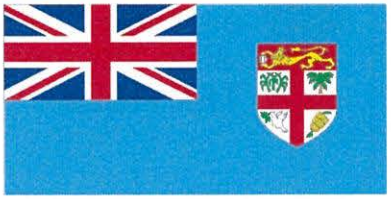
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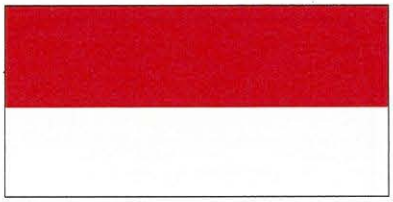
Federated States of Micronesia


India (Host Country)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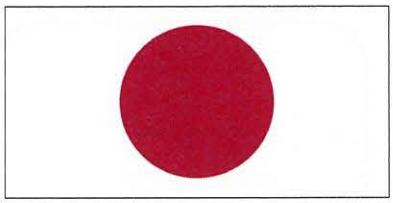
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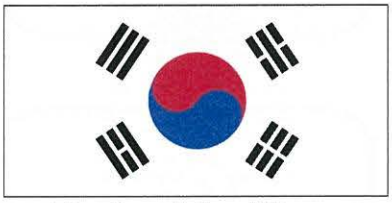
Kiribati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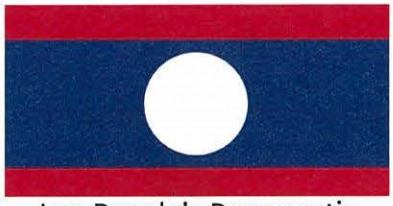
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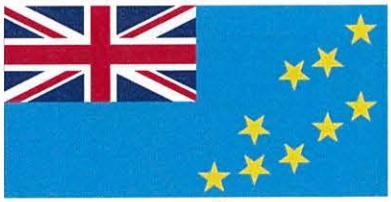
Malaysia


Maldives


Marshall Islands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Mongolia


Nauru

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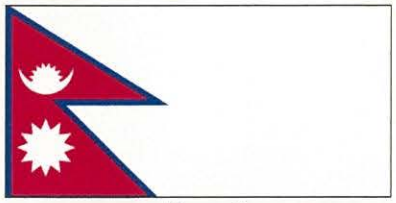
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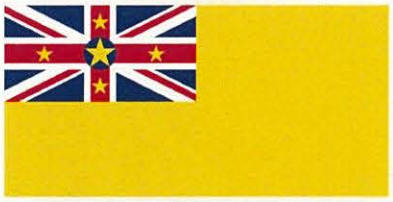
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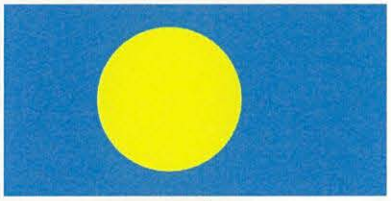
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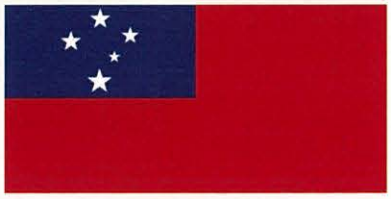
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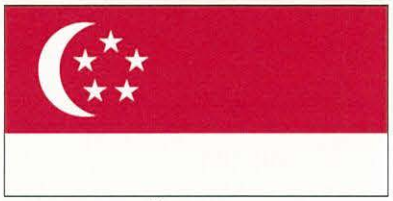
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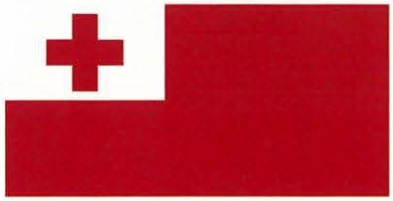
Solomon Islands


Sri Lanka


Thailand


Timor-Leste


Tokelau


Tonga


Vanuatu


Viet Nam

WELCOME DELEGATES

Message
Union Minister, MoHUA, Govt. of India

It is a great honour for India to host the 12th Regional 3R and Circular Economy Forum in Asia and the Pacific from 3rd to 5th March 2025 in Jaipur, Rajasthan.

On behalf of the Ministry of Housing and Urban Affairs (MoHUA), I would like to extend a warm welcome to all the delegates participating in the Forum. The 3R Forum has been organized by MoHUA in collaboration with the, Ministry of Environment, Government of Japan, United Nations Economic and Social Commission for Asia and the Pacific (UN-ESCAP), United Nations Centre for Regional Development (UNCRD) and United Nations Department of Economic and Social Affairs (UNDESA). This forum will provide an opportunity to share best practices, engage in meaningful discussions, and showcase India's commitment to a sustainable and circular economy.

Hon'ble Prime Minister has been a strong advocate for circular economy, emphasizing its essential role in creating a sustainable and self-reliant India. At COP26, he announced the 'Panchamrit' goals, including achieving net-zero emissions by 2070, and launched Mission LiFE, a global movement for a green lifestyle. India's progress in green energy, with over 200 GW of installed capacity, reflects the nation's commitment to sustainability. Under his leadership, India has implemented several policies promoting circularity in different sectors including urban development and waste management. This Ministry is driving key urban missions focused on waste management, recycling, and water conservation, showcasing India's leadership in sustainable practices.

Last year, in 2024, the Swachh Bharat Mission (SBM) began a new decade with a continued commitment and a focus on improving sanitation, solid waste management, and initiatives like bio-CNG, plastic waste management, RDF, legacy waste remediation. SBM has been a key Mission in promoting the 3R principles within the circular economy driving social and behavioral change at national, state, and urban levels for a cleaner, more sustainable India.

The Forum aims to provide strategic policy inputs to Asia-Pacific governments on mainstreaming 3R and circularity, while sharing best practices in the field. It will also showcase India's commitment to a clean and green future. I am also happy to inform that one of the key achievements of the Forum will be the adoption of the Jaipur Declaration (2025-2034) – a non-political, non-binding declaration of a decade of actions to promote a resource-efficient, clean, accessible and low-carbon society.

We are delighted to welcome 200 international delegates from 38 Asia-Pacific member-countries, and over 300 delegates from India representing almost all States/ UTs and around 60 cities.

After 7 years, we are once again hosting the Regional 3R and Circular Economy Forum in our country, and we look forward to another successful event. As we embark on this historic occasion, I encourage all stakeholders—government representatives, businesses, academia, and civil society—to actively engage and share their expertise.

Manohar Lal

Union Minister, MoHUA

Message
Minister of State, MoHUA, Govt. of India

It is a momentous occasion as India prepares to host the 12th Regional 3R and Circular Economy Forum in Jaipur from March 3-5, 2025. We take immense pride in the fact that this prestigious event will be held in the culturally rich city of Jaipur, Rajasthan. We are optimistic that the outcomes of this forum will have a lasting, positive impact for years to come.

Recycling and the concept of a circular economy are deeply rooted in India's traditions, stretching back to ancient times. Our ancestors understood the value of reusing and repurposing materials, a practice that was a natural part of everyday life. From mending clothes to repurposing household items, the practice of making the most of what we have has always been part of our culture. These values were passed down through generations, showing how sustainability was embedded in our daily routines long before the modern world recognized its importance.

In the present day, as we work towards the goals of Swachh Bharat, the need to revisit and revive these age-old practices is more pressing than ever. As we strive for a cleaner environment and a safer future, it is essential that we integrate recycling, waste reduction, and sustainability into our lifestyles once again. By embracing these practices, we not only honor our traditions but also ensure a healthier planet for future generations. It is a collective responsibility that will guide us towards a more sustainable and prosperous tomorrow.

During India's G20 presidency, a global framework for an Industrial Alliance focused on resource efficiency and the circular economy was developed under the visionary leadership of the Hon'ble Prime Minister. As part of this initiative, the Resource Efficiency and Circular Economy Industry Coalition (RECEIC) was launched, with India at the helm, to drive the achievement of sustainable development goals.

Guided by the G20's principles of 'Vasudhaiva Kutumbakam' and 'One Earth, One Family, One Future,' we are hopeful that the 12th Regional 3R Forum in Asia and the Pacific will accelerate our collective journey toward a cleaner, greener, and more sustainable future for all.

Tokhan Sahu

Minister of State, MoHUA

Message
Secretary, MoHUA, Govt. of India

As India hosts the 12th Regional 3R and Circular Economy Forum in Asia and the Pacific from 3rd to 5th March 2025 in Jaipur, Rajasthan, over 500 delegates will collectively strive to adapt to a cleaner and more accessible urban ecosystem.

I would like to extend our sincere gratitude to the Hon'ble Chief Minister of Rajasthan and Government of Rajasthan for supporting us in hosting this significant Forum in the vibrant Pink city - Jaipur.

The 'Regional 3R and Circular Economy Forum in Asia and the Pacific' was launched by the United Nations Centre for Regional Development (UNCRD) and Government of Japan in November 2009. The objective of the Forum is to provide strategic policy inputs to government authorities in the Asia Pacific region for mainstreaming 3R (Reduce, Reuse, Recycle) and circularity and also to create collaborations between 41 member nations.

I would like to welcome all businesses and startups from India and Japan to facilitate cross-learning and collaborate, showcasing innovative ideas and solutions that support circularity and the 3R principles. The States and UTs will also bring forward their case studies and best practices and participate in the Forum. I am happy to know that the delegates will also have an opportunity to go on technical field visits and visit key sustainability facilities in Jaipur, fostering knowledge exchange and inspiring actionable solutions for a circular economy.

India has in the past hosted the 8th edition of this Forum in 2018 at Indore. We are proud to host the 12th Edition in 2025. In these years, India has taken giant strides in showcasing high impact interventions under Swachh Bharat Mission. As India gets ready to host the World Circular Economy Conference in 2026 anchored by MoEFCC, the 3R and Circular Economy Forum in Jaipur will set the tone for further deliberations and dialogues on mainstreaming 3R and Circular Economy.

Srinivas Katikithala

Secretary, MoHUA

Message
Minister of the Environment, Govt. of Japan

It is a great pleasure to host the 12th Regional 3R and Circular Economy Forum in Asia and the Pacific in Jaipur, India, with the participation of many policy makers, experts, and businesses from Asia and the Pacific countries.

As stated at the 6th United Nations Environment Assembly in March 2024, the world is now facing three serious environmental crises: climate change, biodiversity loss, and environmental pollution. The transition to a circular economy will play an important role in simultaneously resolving these interrelated issues and achieving new growth.

In the Asia-Pacific region, there are concerns about the increase in waste generation and environmental pollution caused by rapid economic growth. In order to solve these problems, it is essential for each country to further strengthen its "3R" initiatives (Reduce, Reuse, Recycle), and for the international community to cooperate in realizing a Sound Material-Cycle Society with a sustainable balance between production and consumption.

In Japan, the Fifth Fundamental Plan for Establishing a Sound Material-Cycle Society was approved by the Cabinet in August 2024 after a review of the Fundamental Plan for Establishing a Sound Material-Cycle Society in order to comprehensively and systematically promote measures related to the formation of a Sound Material-Cycle Society. This plan is formulated as a national strategy for the entire government, and in addition to strengthening domestic efforts, international cooperation is positioned as an important pillar of the plan.

Waste problems can be both a challenge to be solved and an opportunity. Promoting proper waste management will produce various benefits, such as improving public health, reducing environmental pollution, and promoting circular and recycling industries, while contributing to the sustainable development of each country through the recovery of valuable resources. Addressing resource circulation is an important social issue, not only from an environmental perspective, but also from an economic and social perspective. The transition to a circular economy will lead to solutions to various social challenges, such as environmental constraints, strengthening industrial competitiveness, revitalizing local areas, and realizing a high quality of life.

We hope that this forum will further promote and develop multilayered efforts related to the 3Rs and circular economy by building partnerships among all stakeholders, including governments, international organizations, industry, academia, and NGOs. Japan will also take the lead in contributing to the development and improvement of waste management systems and the transition to a circular economy in the Asia-Pacific region.

Finally, I would like to express my sincere gratitude to the Ministry of Housing and Urban Affairs of the Government of India for its hospitality in hosting this forum and to the United Nations Centre for Regional Development, which has spent a great deal of effort in preparing this forum.

Minister of the Environment, Japan

ASAO Keiichiro

Message
UN Organization

I would like to express my appreciation to the Governments of India and Japan, as well as the state Government of Rajasthan for supporting the organization of this High-Level 12th Regional 3R and Circular Economy Forum in Asia and the Pacific.

Our region has experienced rapid economic growth, urbanization and industrialization over the last few decades. This growth, which is based on a linear economic growth model of "take, make and dispose" is no longer sustainable. The use of resources and primary materials will push the limits of the planet.

Allow me to highlight three key areas you may wish to consider during your deliberations. First, we need to develop national, subregional and regional circular economy roadmaps. Second, we must reinforce our efforts to build more circular materials cycles into all business operations. Ee need to work with existing platforms, such as the ESCAP Sustainable Business Network (ESBN) through its Asia-Pacific Green Deal for Business.

Recently, the ESBN Circular Economy Taskforce launched a study titled "The secrets to unlocking the next frontier for a circular economy in the Asia-Pacific region" which provides policymakers with options to better work with the private sector in advancing circularity.

I am delighted to note that innovative and solutions focused initiatives will be presented at this Forum. I trust your deliberations will aim to realize the Jaipur 3R and Circular Economy Declaration (2025-2035) in Asia and the Pacific. During the Forum, I am confident that your focus will be on developing a policy framework to catalyze transformational changes in resource efficiency, promote new financing models and enable zero-waste societies in the region. ESCAP stands ready to work with governments, the private sector and stakeholders to strengthen cooperation in advancing circular economy approaches.

I look forward to the outcomes of this Forum and wish you all every success.

Ms. Armida Salsiah Alisjahbana, Executive Secretary, Economic and Social Commission for Asia and the Pacific (ESCAP)

About the Forum

The 12th Regional 3R and Circular Economy Forum in Asia-Pacific is hosted by the Ministry of Housing and Urban Affairs, Government of India, and co-organized by the Ministry of the Environment, Government of Japan, the Economic and Social Commission for Asia and the Pacific (UN ESCAP), and the United Nations Centre for Regional Development of the Division for Sustainable Development Goals, United Nations Department of Economic and Social Affairs (UNCRD-DSDG/UN DESA).

Background

Over the past 50 years, resource consumption and material use have risen significantly leading to depletion of natural capital of the planet. Since 1970, resource extraction has surged by nearly 400 per cent and is projected to reach 106.6 billion tonnes in 2024. Studies show that over 90 per cent of all materials extracted and used are wasted, with only 8.6 per cent are reintegrated into global economy in 2020. In business-as-usual scenario, the material extraction is projected to increase by 60 per cent by 2060, potentially undermining global efforts to meet climate, biodiversity, and pollution targets, as well as threatening economic prosperity and human well-being. For example, half of all greenhouse gas emissions, along with over 90 per cent of biodiversity loss and water stress, originate from resource extraction and processing. Over 60 per cent of planet-warming emissions accounts for 40 per cent of the health impacts associated with air pollution. The decline in natural resources and biodiversity, coupled with the rise in waste generation and diversification, presents unprecedented challenges for effective environmental management and sustainability of ecological assets.

Asia-Pacific, the world's most populous and dynamic region, accounts for about two-thirds of global growth and 63 per cent of global material use. While this rapid economic growth has improved living standards, it has also diminished the region's resource efficiency and natural capital, resulting in shrinking forests, declining biodiversity, and depleted water resources and wetlands. Asian countries face diverse challenges due to their varying economies, available resources, geographic locations, and vulnerabilities to global environmental issues, including frequent climate-induced disasters and socio-economic impacts from climate change. For instance, Small Island Developing States (SIDS) and Pacific Island countries are particularly vulnerable to climate change effects such as rising sea levels, extreme weather, and plastic pollution which costs economies up to USD 3.7 trillion[5] over the lifetime of plastics. Landlocked Developing Countries (LLDCs) also encounter significant socio-economic challenges in achieving sustainable development, requiring sustainable infrastructure in areas like energy, transport, health, and waste management to support zero waste societies and a circular economy. Similarly, other sub-regions like ASEAN and South Asia, rich in biodiversity and natural resources, face various environmental and developmental challenges. Therefore, any improvements in resource efficiency and sustainable management of natural resources in Asia-Pacific will have significant global impacts.

At the same time, many countries in Asia and the Pacific have become net importers of raw materials and are nearing their limits on domestically available natural resources and minerals. The policy and scientific communities recognize that challenges such as resource supply security, increasing waste and pollution, and climate change are critical constraints to future growth and rising living standards in the region. Waste is intrinsically linked to numerous environmental issues, including climate change, biodiversity loss, and pollution, particularly the leakage of plastics and hazardous chemicals into ecosystems. To address these global and regional challenges associated with inefficient material use and waste management, the principles of a circular

economy are becoming increasingly essential. Traditional linear economic models, based on "take-make-dispose" approaches, have led to excessive waste generation and inefficient resource use. In contrast, circular economy principles focus on waste reduction, extended material use, and the regeneration or restoration of natural ecosystems. Circular economy is a closed loop economy in which nearly all wastes or outputs either become inputs to other manufacturing processes or are returned to natural systems as benign emissions rather than as pollutants (thus pollution is prevented – land, water, air, ocean).

Circular economy principles enhance sustainable waste management (with a primary focus to waste prevention and minimization) and promote business sustainability in conjunction, especially in a world facing resource scarcity and environmental degradation. Therefore, private and business sector have an important role in advancing circular economy. Circular societies take a holistic approach by encouraging sustainable practices not only within businesses and industries but also throughout communities. This leads to more efficient resource use, minimized waste, and the restoration and regeneration of natural ecosystems. Circular economy supports carbon neutrality by fostering low-carbon business models, reducing energy consumption, and increasing the use of renewable energy, all of which significantly lower environmental footprints and contribute to combating climate change.

Acknowledging the outcomes of the UN High-level Political Forums (HLPF) on Sustainable Development, as well as the UN Summit of the Future held on 22 September 2024, where world leaders adopted the Pact for the Future and its annexes—the Global Digital Compact and the Declaration on Future Generations to chart a path toward achieving the SDGs and responding to emerging challenges and opportunities, and recognizing the objectives of the UN Decade on Ecosystem Restoration (2021-2030) which aims to promote and facilitate the restoration of degraded ecosystems worldwide, there is an imminent need to reverse biodiversity loss, enhance ecosystem services, combat climate change and pollution (land, air, water, and ocean), and improve the livelihoods of those who depend on healthy ecosystems and their services.

The 2030 Agenda for Sustainable Development and the SDGs, in particular, not only call for equitable economic growth, but also provide important political and institutional framework to implement 3R (reduce, reuse, recycle), resource efficiency and circular economy measures that can create the conditions for sustainable development meeting the needs of the growing population without relying on the use of primary resources or virgin raw materials. Resource security, environmental benefits and sustainable economic growth are at the heart of a circular economy, which not only provides an important basis in achieving SDG 12 (sustainable consumption and production), but also trigger meaningful synergies in combined efforts in achieving other SDGs such as SDG 6 (clean water and sanitation), SDG 11 (safe, resilient, sustainable cities and communities), SDG 13 (combat climate change), and SDG 14 (life below water), and SDG 15 (life on land), among others.

Under the Regional 3R and Circular Economy Forum in Asia and the Pacific (launched in 2009), the Hanoi 3R Declaration (2013-2023) with its 33 goals was a first unprecedented voluntary commitment of Asia-Pacific countries in moving towards a more resource efficient and circular society. The Hanoi 3R Declaration provided an umbrella policy framework for countries for voluntarily developing and implementing

3R policies and programmes at all levels to help Asia-Pacific countries shift from linear to more resource efficient economy towards realization of a circular society. The new 3R and Circular Economy Declaration (2025-2034) aims to act as a catalyst for transformational changes in resource and waste management in Asia-Pacific. This will include enabling changes to policies, institutional frameworks, financing models, data management approaches, and the implementation of various technologies towards achieving zero-waste societies. It will also aim to catalyze multi-layer cooperation and partnerships in advancing collaborative actions towards achieving the SDGs and other international agreements such as the Paris Agreement on climate change, the New Urban Agenda (NUA), the Sendai Framework for Disaster Reduction, and the UN Decade on Ecosystem Restoration, among others.

The Regional 3R and Circular Forum in Asia-Pacific also aims to support through the new Declaration, among others, the United Nations Environment Assembly (UNEA) resolution 5/14 that launched the negotiations to develop an international legally binding instrument on plastic pollution, including in the marine environment, which could include both binding and voluntary approaches, based on a comprehensive approach that addresses the full life cycle of plastic. To implement the 3R approach to address plastic pollution in its entirety, it is important to eliminate unnecessary single use and short-lived plastic, rolling out refill and reuse models and producing less problematic plastic. It means addressing harmful chemicals and designing for circularity. It means investing in solid waste management and recycling – so that we can use, reuse and recycle resources more efficiently. Asian leaders are taking a strong position in ongoing negotiations to develop the "Global Plastics Treaty," aiming to address plastic pollution, including marine debris, through a comprehensive approach covering the entire plastic life cycle.

The transition to circular societies is crucial for meeting the Sustainable Development Goals (SDGs) and the Paris Agreement's climate objectives. In particular, the Asia-Pacific region where resource demands and waste generation and diversification are growing rapidly, has an opportunity to lead the transition towards circular societies, creating a sustainable path for economic growth while addressing pressing environmental challenges. By integrating circular economy principles into policies and practices, Asia-Pacific countries can accelerate progress toward the SDGs and carbon neutrality, ensuring a resilient and sustainable future for all. Achieving climate neutrality will also largely depend on significant reduction of energy demand for material extraction and processing. The two dimensions of carbon neutrality – energy and resource management and carbon sequestration – need to be in harmony that carbon is removed from the atmosphere, used in the economy without being released, and stored for longer periods of time.

While most Asia-Pacific countries are implementing national waste management policies, a number of countries have embarked on circular economy road maps as a basis to accelerate implementation of international agendas and agreements such as the 2030 Agenda for Sustainable Development. Paris Agreement, the Habitat III New Urban Agenda, the Sendai Framework for Disaster Risk Reduction, and the UN Decade on Ecosystem Restoration, among others. The Government of India, for example, has successfully completed the first phase of the Swachh Bharat Mission (Clean India Mission), one of the world's largest waste management and sanitation initiatives aimed at achieving a "Clean India", and has also devised a circular economy

roadmap addressing 11 focus areas with decentralized responsibilities and horizontal cooperation of key line Ministries and Departments such as - Municipal Solid Waste and Liquid Waste (Ministry of Housing and Urban Affairs); Scrap Metal - Ferrous and Non-Ferrous (Ministry of Steel); Electronic Waste (Ministry of Electronics and Information Technology); Lithium Ion (Li-ion) Batteries (Niti Aayog); Solar Panels (Ministry of New and Renewable Energy); Gypsum (Department for Promotion of Industry and Internal Trade); Toxic and Hazardous Industrial Waste (Department of Chemicals and Petrochemicals); Used Oil Waste (Ministry of Petroleum and Natural Gas); Agriculture Waste (Ministry of Agriculture and Farmers' Welfare); Tyre and Rubber Recycling (Department for Promotion of Industry and Internal Trade); and End-of-life Vehicles -ELVs (Ministry of Road Transport and Highways).

With this objective, the 12th Regional 3R and Circular Economy Forum in Asia-Pacific is organized with an objective to chalk out the pathways and opportunities for realizing circular societies in the region, with a focus on achieving the SDGs and carbon neutrality. To this regard, the 12th Forum aims to discuss and agree a new voluntary and legally non-binding 3R and Circular Economy Declaration (2025-2034) for achieving resource efficient, clean, resilient, sound material cycle and low-carbon society in Asia and the Pacific. The new Declaration aims to act as a policy guiding framework and catalyst for countries to facilitate integration of sustainable consumption and production practices as well as circular economy principles into their overall policy, planning and development, including infrastructure development.

OBJECTIVES/OUTCOMES

The objectives/outcomes of the 12th Regional 3R and Circular Economy Forum in Asia-Pacific are:

a. Promote circular economy principles across different sectors in Asia-Pacific to ensure sustainable resource management and waste reduction;

b. Discuss circular economy policies and practices to accelerate achievement of the SDGs such as SDG 12 (sustainable consumption and production), but also trigger meaningful synergies in combined efforts in achieving other SDGs such as SDG 6 (clean water and sanitation), SDG 9 (Industry, Innovation and Infrastructure), SDG 11 (safe, resilient, sustainable cities and communities), SDG 13 (combat climate change), and SDG 14 (life below water), and SDG 15 (life on land), SDG 17 (Partnerships), among others;

c. Discuss how circular economy strategies can be integrated into national and regional policies aimed at reducing carbon emissions and achieving net-zero targets;

d. Discuss how to strengthen regional cooperation and foster collaboration between governments, businesses, and civil society to accelerate the transition from traditional linear economy (take-make-dispose) to more resource efficient and circular societies across Asia-Pacific;

e. Discuss challenges (policy regulatory gaps, financial barriers, infrastructure gaps, technological limitations) and opportunities in addressing circular economy principles for various sectors and waste streams;

f. Discuss and agree a new voluntary and legally non-binding 3R and Circular Economy Declaration (2025-2034) for achieving resource efficient, clean, resilient, sound material cycle and low-carbon society in Asia and the Pacific.

GEOGRAPHIC COVERAGE

Around 40 Asia-Pacific countries from various Sub-Regions, including South Asia, Southeast Asia (ASEAN), Northeast Asia, and Oceania [Australia, New Zealand and Pacific Island Countries (PICs)].

PARTICIPANTS

Participation in the Forum is by invitation only. It is expected that approximately 500 (200 international and 300 local) participants, including high-level government representatives from Asia-Pacific countries, city mayors, international experts, academic and research institutes and resource persons and others as listed below will attend the Forum:

- High level government representatives and policy makers from relevant Ministries such as Ministry of Environment, Ministry of Housing and Urban Affairs, Ministry of Industry, Ministry of Local Government, etc.;
- City Mayors/Local Government representatives;
- Experts and international resource persons, including representatives of scientific and Research and Development (R&D) institutions in the areas of 3R/resource efficiency/ waste management/life cycle assessment and management;
- International financial institutions, multi-lateral development banks and donor agencies; and
- Representatives of the private and business sector and NGOs etc.

Participation in the Forum is free of charge. A limited amount of travel support will be available on a priority basis for nominated government representatives from the developing countries and invited experts/international resource persons. Unless otherwise stated in the official invitation, the participants are requested to kindly cover their own travel, accommodation and all other incidental expenses through their organizations or external sponsorships.

INTERNATIONAL 3R EXHIBITION

Exhibition by central ministries, state government, start-ups, corporate and private sector and self help groups on their state of art 3R and circular economy technologies and knowhow and best practices. The exhibition has been always an integral part of the Forum. Participating in the exhibition will provide opportunities for business and corporate sector to explore possible partnerships and collaboration with participating countries of the Forum.

CONTACT

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Programme Outline

12th Regional 3R and Circular Economy Forum in Asia and the Pacific

3rd - 5th March 2025 | Rajasthan International Centre, Jaipur

Time	Primary Session		Side Events
9:30 - 11:00	Inaugural Session, including the inauguration of the 3R Exhibition	Main Auditorium, Upper Ground Floor	
11:00 - 12:30	Plenary Session 1- Ministerial Statements of participating countries Keynote Address 1	Main Auditorium, Upper Ground Floor	
12:30 - 14:00	Lunch and Visit to 3R Technical Exhibition		Knowledge Session-1 by Japan 12:30 - 13:30 **Main Auditorium, Upper Ground Floor**
14:00 - 15:30	Plenary Session 2- 3R and Circular Economy Towards Resilient, Low-carbon and Sustainable Cities and Communities	Main Auditorium, Upper Ground Floor	CITIIS 2.0 Roll-out Event 14:00 - 15:15 **India Pavilion**
15:30 - 17:15	Plenary Session 3- Circular Economy Policies -Translating Global Vision into Local Actions	Main Auditorium, Upper Ground Floor	Mayors' Dialogue 15:30 - 17:00 **India Pavilion** Case Clinics for Secretaries and Commissioners 15:30 - 17:15 **(Mini Auditorium, First Floor)** Knowledge Session-2 by Japan 15:30 - 17:15 **Japan Knowledge Room,Lower Ground Floor** 15:30 - 16:30 Indo-Japan Bilateral Dialogue 15:30 - 16:15 **Board Room, First Floor (By Invitation Only)**
17:15 - 18:15	Plenary Session 4- Introduction on "New Declaration on 3R and Circular Economy"	Main Auditorium, Upper Ground Floor	

Cultural Programme - 18:15 to 19:00 **(Cultural Area)**

Welcome Reception Co-hosted by the Govt. of Rajasthan and MoHUA, GoI - 19:00 onwards

Time	Primary Session		Side Events
9:30 - 9:45	Keynote Address 2	Main Auditorium, Upper Ground Floor	
9:45 - 11:15	Plenary Session 5- Nature-based Solutions and Circular Economy		
11:15 - 11:55	**Special Session 1** • Special Address 1 • Keynote Address 3	Main Auditorium, Upper Ground Floor	
12:00 - 13:15	Country Breakout Sessions (5 Groups)	Respective Breakout Rooms	India Pathways to Circular Economy 12:00 to 13:30 **India Pavilion**
13:15 - 15:00	Lunch and Visit 3R Technical Exhibition		
15:00 - 20:00	Technical Site Visit (By Prior Registration Only)		**Innovations for Urban Housing (State Secretaries, Directors & Municipal Commisioners)** **15:00 to 16:00** **India Pavilion**

Stakeholder Consultation on Bankable Projects for Urban Water and Sanitation Services
18:00 pm to 20:00 pm
(By Invitation Only)

Time	Primary Session		Side Events
9:30 - 10:15	Keynote Address 4 Plenary Session 6- Launch of the 2nd State of the 3Rs in Asia and the Pacific	Main Auditorium, Upper Ground Floor	
10:15-10:45	**Special Session 2** • Special Address 2 • Keynote Address 5	Main Auditorium, Upper Ground Floor	
10:45 - 12:15	Parallel Roundtables (6 Groups) 1. CE & Electric & Electronic Waste 2. CE & Plastics Waste 3. CE & Textile & Fashion Industry 4. CE & Construction Industry 5. CE & Biomass Waste 6. CE & Freshwater Resources	Respective Roundtable Rooms	Business Roundtable 10:45 - 11:45 **India Pavilion**
12:15 - 13:00	Plenary Session 7- Roundtable Reporting Back Session	Main Auditorium, Upper Ground Floor	Tech Solutions for Circularity - Challenges and opportunities 12:00 - 13:00 **India Pavilion**
13:00 - 14:00	Lunch and Visit to 3R Technical Exhibition		
14:00 - 15:30	Plenary Session 8- Greening SMEs Towards Circular Society (SDG 9) Including the Role of PPP (Public-Private Partnership)	Main Auditorium, Upper Ground Floor	
15:30 - 16:00	Review of the New Declaration and Chair's Summary	Main Auditorium, Upper Ground Floor	
16:00 - 17:30	Plenary Session 9- Discussion and Adoption of the New Declaration		
17:30 - 18:00	Closing Session- Closing ceremony and handover to the next host country	Main Auditorium, Upper Ground Floor	

Detailed Agenda

Time and Room	Programme Venue: Rajasthan International Center (RIC), Jaipur, Rajasthan
	Day 1: 3 March 2025 (Monday)
09:00-09:30	Registration & Morning Coffee / Tea
9:30-10:00	• Arrival of dignitaries • Group Photograph • Inauguration of 3R Technical Exhibition by Hon'ble Shri Manohar Lal, Minister of Housing and Urban Affairs (MoHUA), Government of India
	Opening Session
10:00-11:00 (Main Auditorium / Upper Ground Floor)	Welcome Remarks • Mr. Srinivas Katikithala, Secretary, Ministry of Housing and Urban Affairs (MoHUA), Government of India (MoHUA) (5 mins) Opening Remarks • H.E. Mr. ASAO Keiichiro, Minister of the Environment, Government of Japan (5 mins) • Representative of UN (5 mins) Special Addresses • Mr. Li Junhua, Under-Secretary-General for Economic and Social Affairs (UN DESA) (5 mins) • Ms. Armida Salsiah Alisjahbana, Executive Secretary, Economic and Social Commission for Asia and the Pacific (ESCAP) (5 mins) • Hon'ble Shri Bhajan Lal Sharma, Chief Minister of Rajasthan (5 mins) • Hon'ble Shri Manohar Lal, Minister of Housing and Urban Affairs (MoHUA), Government of India (5 mins)

Plenary Sessions

11:00-12:15 (Main Auditorium / Upper Ground Floor)	**Plenary Session 1** Ministerial Statements (3-5 mins per statement) High-level representatives deliver statements on current and future plans and policies in their respective countries about 3R and circular economy. Ministers may present physically or through pre-recorded video statement as convenient. Name of the countries (tbc): India, Australia, Bangladesh, Bhutan, Brunei Darussalam, Cambodia, the People's Republic of China, Cook Islands, Fiji, Federated States of Micronesia, Indonesia, Japan, Kiribati, the Republic of Korea, Lao People's Democratic Republic, Malaysia, Maldives, Marshall Islands, Mongolia, Nauru, Nepal, New Zealand, Niue, Pakistan, Palau, Papua New Guinea, the Philippines, Samoa, Singapore, Solomon Islands, Sri Lanka, Thailand, Timor-Leste, Tokelau, Tonga, Tuvalu, Vanuatu and Viet Nam (tbc) Session Chair: Hon'ble Shri Manohar Lal, Minister of Housing and Urban Affairs (MoHUA), Government of India Facilitator/Moderator: C. R. C. Mohanty, Environment Programme Coordinator, UNCRD/ DSDG/UN DESA	Rapporteur: National Institute of Urban Affairs (NIUA)
12:15-12:30	**Keynote Address 1**: Advancing Circular Society in Asia-Pacific - Key to Achieve SDGs and Carbon Neutrality by Prof. Shinichi Sakai, Dr. & Emeritus Professor of Kyoto University, Advanced Science, Technology & Management Research Institute of Kyoto, Japan (15 mins)	
12:30-14:00	Visit to Exhibition and Networking Lunch Break	

14:00-15:30

(Main Auditorium / Upper Ground Floor)

Plenary Session 2

3R and Circular Economy Towards Resilient, Low-carbon and Sustainable Cities and Communities

This session will discuss challenges, opportunities, strategies, partnerships and examine the interlinkages between circular economy and sustainable cities towards achieving SDG 11.

Presentations

Presentation (1): Indian approach for circular economy -Mr Ved prakash Mishra Joint Secretary, Ministry of Environment Forest and Climate Change (MoEFCC), Government of India (8 mins)

Presentation (2): Circular economy towards net zero: A sustainable pathway to carbon neutrality – by Ms. Melissa MacEwen, Director, PwC New Zealand (8 mins)

Presentation (3): Realization of Eco-Town - Case of Kitakyushu City in Fukuoka Prefecture, Japan – by Representative of Kitakyushu City, Japan (8 mins)

Presentation (4): 3R and circular economy vision of Danish cities: Best practices and success stories – by Dr. Petr Dolejš, Representative of Danish Embassy, New Delhi, India (8 mins)

Presentation (5): Food composting initiatives of Osaki Town in Kagoshima Prefecture, Japan– by Representative of Osaki Town, Japan (8 mins)

Session Chair:
Mr Naresh Pal Gangwar, Additional Secretary, MoEFCC, Govt. of India

Facilitator/ Moderator:
Mr. Arab Hoballah, Senior Expert 3R & Circular Economy, SWICH Asia and Ex-Chief of Sustainable Consumption and Production at the United Nations Environment Programme (UNEP)

Rapporteur:
National Institute of Urban Affairs (NIUA)

Panel Discussion (20 mins)

- H.E. Mr. Ahmed Nizam, Deputy Minister, Ministry of Climate Change, Environment and Energy, Government of Maldives
- Ms. Pepetua Election Latasi, Permanent Secretary, Ministry of Home Affairs, Climate Change and Environment, Tuvalu
- Mr. Tri Supondy, Director General of Industrial Resilience, Region, and International Industrial Access, Ministry of Industry, Indonesia (tbc)
- Dr. Jairaj Phatak, Director General, All India Institute of Local Self Government (AIILSG)
- Mr. Padma Kumar Mainalee, Joint Secretary, Urban Development Division, Ministry of Urban Development, Government of Nepal
- Ms. Parul Agarwal, Country Programme Manager-India, UN-Habitat

Chair Summary (10 mins)

Discussion Points:

1. What are the biggest challenges cities face in transitioning from a linear (more resource intensive) to a circular economy (more resource efficient)?
2. Can you share successful cases of cities implementing circular economy strategies effectively?
3. What policy interventions are necessary to integrate circular economy into urban planning?
4. How can governments at different levels (local, national, international) collaborate to accelerate the integration of circular economy principles in overall policy, planning and infrastructure development?
5. What role do businesses and industries cooperation play in promoting circular economy models in sustainable urban development?
6. How can digital technologies (AI, blockchain, IoT) support or accelerate circular economy initiatives in cities?
7. How can circular economy approaches help cities mitigate and adapt to climate change? In what ways can circular economy principles be integrated into broader climate resilience strategies? How do circular economy strategies contribute to achieving SDGs (in particular SDG 11, SDG 12, SDG 13) and net-zero targets under the Paris Agreement?

Question & answer

15:30-17:15

(Main Auditorium / Upper Ground Floor)

Plenary Session 3

Circular Economy Policies -Translating Global Vision into Local Actions

This session will highlight global frameworks on the circular economy, establish a shared understanding of the global priorities and commitments for circular economy policies, planning and development, and try to bridge the gap between global frameworks and regional, national-and-local level commitment and actions. This session further identifies synergies, potential cooperations, and partnerships in local, regional, and national development in implementing circular economy, including regional and national roadmaps.

Presentations

Presentation (1): International best practices in circular economy – by Mr. Thierry Martin, SWM Expert, World Bank (8 mins)

Presentation (2): Connecting regions to achieve global impetus for policy action: lessons learnt from four years of GACERE – by the Global Alliance on Circular Economy and Resource Efficiency (GACERE) (8 mins)

Presentation (3): Framework for circular economy for the ASEAN economic community – by Dr. Venkatachalam Anbumozhi, Senior Research Fellow for Innovation, Economic Research Institute for ASEAN and East Asia (ERIA) (8 mins)

Presentation (4): Circular economy policies -translating global vision into local actions – by Dr. Walter Stahel, Founder-Director- Product-Life Institute, Switzerland (8 mins) (online/ prerecorded)

Session Chair:
H.E. Mr. Faisol Riza, Vice Minister, Ministry of Industry of the Republic of Indonesia (tbc)

Facilitator/ Moderator:
Prof. Yong-Chul Jang, Department of Environmental Engineering, Chungnam National University, Republic of Korea

Presentation (5): Empowering urban sustainability: OECD's circular economy programme for cities and regions – by Ms. Oriana Romano, Head of the Water Governance, Blue and Circular Economy Unit, Organization for Economic Co-operation and Development (OECD) (8 mins) (online/prerecorded)

Presentation (6): Combating plastic pollution: Global and national actions– by Dr. Sumit Sharma, United Nations Environment Programme (UNEP) (8 mins) (tbc) (online/ prerecorded)

Panel Discussion (20 mins)

- Mr. Rajesh Yadav, Principal Secretary, Government of Rajasthan, India
- Ms. Batzaya Sed-Ayushjav, Director General, Ministry of Urban Development, Construction and Housing (MoUDCH), Mongolia
- Dr. Aujla Mohinderjeet Singh, Sr. Vice President, Kanwar Surjit Singh Institute for Spatial Planning Environment Research, India
- Dr. Nguyen Trung Thang, Deputy Director General, Institute of Strategy and Policy on Natural Resources and Environment, Ministry of Natural Resources and Environment, Viet Nam

Rapporteur: National Institute of Urban Affairs (NIUA)

Chair Summary (10 mins)

Discussion Points:

1. How do international agendas, agreements and frameworks [e.g., SDGs, Paris Agreement, New Urban Agenda, Framework for Circular Economy for the ASEAN Economic Community (AEC 2021), ASEAN Circular Economy Business Alliance (ACEBA, 2024)] shape national and local circular economy policies?

2. What are the key challenges in aligning local policies with international understandings on circular economy? How can policymakers ensure that circular economy principles and strategies are tailored to the specific needs of different regions and cities?
3. What policy mechanisms have proven most effective in driving circular economy adoption and implementation at the local level? How can local governments work with national and global stakeholders (e.g., international organizations, donors, multilateral development banks (MDBs), etc.) to accelerate circular economy policy implementation?
4. What role do extended producer responsibility (EPR) and others such as innovative financing mechanisms (e.g., green bonds, public-private partnerships, etc.) play in supporting local circular economy initiatives?
5. How can education and capacity-building programs help bridge the gap between circular economy policy design and local implementation?
6. What lessons can be learned from cities that have successfully localized international understanding on and principles of circular economy?

Question & answer

17:15-18:15 (Main Auditorium / Upper Ground Floor)	**Plenary Session 4** Presentation: Introduction on "New Declaration on 3R and Circular Economy – Sustainable 3R and Circular Economy Goals for Achieving Resource Efficient, Clean, Resilient, Sound Material Cycle and Low-Carbon Society in Asia and the Pacific (2025-2035)" – by C. R. C. Mohanty, Environment Programme Coordinator, UNCRD/ DSDG/UN DESA (20 mins) Facilitator/Moderator: C. R. C. Mohanty, Environment Programme Coordinator, UNCRD/ DSDG/UN DESA (20 mins) Question & answer (10 mins) Session Chair: Mr Naresh Pal Gangwar, Additional Secretary, MoEFCC, Government of India Rapporteur: National Institute of Urban Affairs (NIUA)
18:15-19:00	Cultural Programme
19:00 onwards	Welcome Reception Co-hosted by the Govt. of Rajasthan and Ministry of Housing and Urban Affairs (MoHUA), Government of India

End of Day 1

Day 2: 4 March 2025 (Tuesday)

9:00 – 9:30	Morning Tea/ Coffee (Convention Hall / Upper Ground Floor)
09:30 – 9:45 (Main Auditorium / Upper Ground Floor)	**Keynote Address 2**: Material flows, waste, GHG emissions and circularity - Dr. Heinz Schandl, Senior Scientist, CSIRO, Australia (Pre-recoded)

Plenary Sessions

Plenary Session 5

09:45 - 11:15

(Main Auditorium / Upper Ground Floor)

Nature-based Solutions and Circular Economy

This session will gain insights to nature-based solutions towards achieving circular society with an objective to prevent biodiversity loss, support nature conservation and eco-system restoration to address societal challenges, providing both environmental and human well-being benefits in line with the SDG 6, 7, 11, 12, 13 ad 15 associated with Target 6.3, Target 7.2, Target 11.3, Target 12.5, Target 13.1 and Target 15.3.

Presentation (1): Transforming our societies and economies through nature-based solutions and circularity – by Dr. Charles Karangwa, Global Head of Nature-based Solutions, International Union for Conservation of Nature (IUCN) (8 mins)

Presentation (2): Nature based solution and circular economy – by Mr. Karanjit Singh Ngangbam, Director, Department of Drinking Water & Sanitation (DDWS), Government of India (8 mins)

Presentation (3): AIIB's commitment to advancing circular economy – by Mr. Ankur Agrawal, Investment Operations Specialist, Asian Infrastructure Investment Bank (AIIB) (8 mins)

Session Chair:
H.E. Mr. Aiman Athirah Sabu, Deputy Minister, Ministry of Housing and Local Government, Malaysia

09:45 - 11:15 (Main Auditorium / Upper Ground Floor)	Presentation (4): Comparative life cycle assessment of biomass-based masks with plastic-based masks– by Prof. Yong-Chul Jang, Department of Environmental Engineering, Chungnam National University, Republic of Korea (8 mins) Presentation (5): Nature based solution to landfill leachate management in atoll nations – by Mr. Alice Leney, Programme Manager, Kiribati Solid Waste Management Programme; Ministry of Environment, Lands and Agricultural Development, Kiribati (8 mins) Panel Discussion (20 mins) • Mr. Narayan Prasad Bhandari, Joint Secretary, Ministry of Urban Development, Government of Nepal • Mr. Amit Dutta, General Secretary and Head of Delegation/ Young Naturalist Network • Mr. Richard Howard Leney, Programme Manager, Kiribati Solid Waste Management Programme, Kiribati • Dr. Charles Karangwa, Global Head of Nature-based Solutions, International Union for Conservation of Nature (IUCN)	Facilitator/ Moderator: Dr. V. K. Chaurasia, Adviser, CPHEEO, Ministry of Housing and Urban Affairs, Government of India Rapporteur: National Institute of Urban Affairs (NIUA)
	Chair Summary (10 mins)	

Discussion Points:

1. How do nature-based solutions (NbS) align with circular economy principles to drive sustainability? How can public awareness and education drive wider adoption of NbS in everyday life?
2. What are the key benefits of integrating NbS into circular economy strategies for cities and industries?
3. Can you share successful examples of NbS that have helped in waste minimization, resource recovery, sustainable consumption and production (SDG 12)?
4. What role do governments and policymakers play in scaling up NbS for a circular economy? How can regulatory frameworks be adopted to encourage the integration of NbS in urban and rural development?
5. What role do forests, wetlands, and marine ecosystems play in supporting a circular bioeconomy?
6. How can businesses incorporate NbS into their sustainability and circular economy models? What are the opportunities for green entrepreneurship and investment in NbS-driven circular solutions?
7. How can technology and innovation enhance the effectiveness of NbS in circular economy transitions?

Question & answer

Special Session 1

11:15 - 11:20	Welcome remarks by Ms.Roopa Mishra, Joint Secretary, MoHUA
11:20 - 11:27	Address by Ms. Mio Oka, Country Director for India, Asian Development Bank
11:27-11:40	**Special Address 1** – by Shri Srinivas Katikithala, Secretary, Ministry of Housing and Urban Affairs (MoHUA), Government of India
11:40-11:55	**Keynote Address 3**: – by Shri Bhupender Yadav, Hon'ble Minister of Environment, Forest and Climate Change, Government of India (15 mins)
12:00-13:15 (Mini Audi 2 / First Floor)	Parallel Country Breakout on Major Initiatives & Achievements Country will present their major initiatives, master plans and achievements in promoting 3R and circular economy **Country Breakout Group 1** Country presentations (using maximum 5 slides) to focus on- a. major new initiatives/achievements in 3R and circular economy areas; b. major challenges (institutional capacity, financing, technology and infrastructure) in promoting 3R and circular economy. Open Discussion Country Presentations (5 mins maximum): Bangladesh, India, Indonesia, Kiribati, Cook Islands, Solomon Islands, Australia, Viet Nam Question & answer:

Session Chair:
H.E. Mr. Trevor Hedley Manemahaga, Ministry of Environment, Climate Change, Disaster Management & Meteorology, Solomon Islands

Facilitator/Moderator:
Mr. Upendra Tripathy, Former Principal Advisor (Education) to Chief Minister of Odisha, India/Former Founding Director General, International Solar Alliance/Former Secretary, Ministry of New and Renewable Energy, Government of India

Rapporteur:
National Institute of Urban Affairs (NIUA)

Country Breakout Group 2

Country presentations (using maximum 5 slides) to focus on-

a. major new initiatives/achievements in 3R and circular economy areas;
b. major challenges (institutional capacity, financing, technology and infrastructure) in promoting 3R and circular economy.

Open Discussion

Session Chair:
H.E. Dr. Maina Vakafua Talia, Ministry of Home Affairs, Environment and Climate Change, Tuvalu

12:00-13:15

(Lecture Hall 2 / 2nd Floor)

Country Presentations (5 mins maximum):
Fiji, Palau, Samoa, Tuvalu, Papua New Guinea, Federated States of Micronesia, Republic of Marshall Islands, Nauru
Question & answer:

Facilitator/ Moderator:
Ms. Susana Telakau, Solid Waste Management Adviser, Secretariat of the Pacific Regional Environment Programme (SPREP)

Rapporteur:
National Institute of Urban Affairs (NIUA)

Country Breakout Group 3

Country presentations (using maximum 5 slides) to focus on-

a. major new initiatives/achievements in 3R and circular economy areas;
b. major challenges (institutional capacity, financing, technology and infrastructure) in promoting 3R and circular economy,

Open Discussion

12:00-13:15 (Lecture Hall 3 / 2nd Floor)	Country Presentations (5 mins maximum): Cambodia, Malaysia, The Republic of Korea, Tonga, Vanuatu, Brunei Darussalam Question & answer:	Session Chair: Mr. Tung Ciny, Secretary of State, Ministry of Industry, Science, Technology and Innovation (MoISTI), Cambodia (tbc) Facilitator/ Moderator: Richard Howard Leney, Programme Manager, Kiribati Solid Waste Management Programme Rapporteur: National Institute of Urban Affairs (NIUA)

Country Breakout Group 4

Country presentations (using maximum 5 slides) to focus on-

a. major new initiatives/achievements in 3R and circular economy areas;
b. major challenges (institutional capacity, financing, technology and infrastructure) in promoting 3R and circular economy

Open Discussion

12:00-13:15 (Lecture Hall 1 / 2nd Floor)	Country Presentations (5 mins maximum): Bhutan, Maldives, Nepal, Pakistan, Singapore, Timor-Leste, Niue, Tokelau Question & answer:	Session Chair: H.E. Mr. Ahmed Nizam, Deputy Minister, Ministry of Climate Change, Environment and Energy, Government of Maldives Facilitator/ Moderator: Mr. Amitesh Mithum Deo, Founder/Director Pacific Recycling Foundation, Fiji Rapporteur: National Institute of Urban Affairs (NIUA)
12:00-13:15 (Mini Audi 1 / First Floor)	**Country Breakout Group 5** Country presentations (using maximum 5 slides) to focus on- a. major new initiatives/achievements in 3R and circular economy areas; b. major challenges (institutional capacity, financing, technology and infrastructure) in promoting 3R and circular economy. Open Discussion	Session Chair: Ms. A. M. Manoja Pushpa Kumari Abesingha, Municipal Engineer, Municipal Council Kandy, Sri Lanka Facilitator/ Moderator: Ms. Melissa MacEwen, Director, PwC New Zealand

13:15-15:00	Networking Lunch Break and Visit to 3R Technical exhibition (Convention Hall / Upper Ground Floor)
15:00-20:00	Technical Field Visit -Waste to Energy -STP facility -Heritage of Rajasthan

End of Day 2

Day 3: 5 March 2025 (Wednesday)		
9:00 – 9:30	Morning Tea/ Coffee (Convention Hall / Upper Ground Floor)	
9:30-9:45 (Main Auditorium / Upper Ground Floor)	**Keynote Address 4**: Circular economy in the context of urban resilience ~ Implication towards SDG 11 – by Prof. Seeram Ramakrishna, National University of Singapore	
Plenary Session		
09:45-10:15 (Main Auditorium / Upper Ground Floor)	**Plenary Session 6:** Launch of the 2nd State of the 3Rs in Asia and the Pacific Remarks by Dr. Rupa Chanda, Director of Trade, Investment and Innovation Division, United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP) (3 mins) Launch of the Secrets to Unlocking the Next Frontier for a Circular -Economy in the Asia-Pacific Region Presentation by Dr. Sudip Ranjan Basu, Chief of Sustainable Business Network Trade, Investment and Innovation Division, United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP) (5 mins) Launch of the 2nd State of the 3Rs in Asia and the Pacific – Advancing Circular Economy in Asia and the Pacific Towards Achieving the Sustainable Development Goals (SDGs) – Presentation by Dr. Anupam Khajuria, Research Fellow and Academic Associate, UNU-IAS (8 mins)	Session Chair: Representative of the Government of India Facilitator/ Moderator: C. R. C. Mohanty, Environment Programme Coordinator, UNCRD/ DSDG/UNDESA Rapporteur: National Institute of Urban Affairs (NIUA)

Special Session 2- Swachh Bharat Mission and Maha Kumbh	
10:15 -10:30	**Special Address 2**: Implementing circularity of solid and liquid waste for largest human congregation at Maha Kumbh in Prayagraj, India – by Prof. Amit Kapoor, Chair, Institute for Competitiveness, University of Stanford (15 mins)
10:30 – 10:45	**Keynote Address 5**: Swachh Bharat Mission (SBM) – India's Mission for Sanitation, Cleanliness, and Waste management – by Ms. Roopa Mishra, Joint Secretary, SBM-U, Ministry of Housing and Urban Affairs (MoHUA) (15 mins)
Parallel Round Table Dialogues: Breakout Sessions	
10:45-12:15 (Conference Hall 1 / First Floor)	**Parallel Round Table 1** Circular Economy and Electric and Electronic Waste This round table will discuss the challenges and opportunities of the circularity of electric and electronic waste as it emerges as one of the major environmental problems, particularly in the Asia and Pacific region. It will also emphasize the promotion of private business for collecting, dismantling and recycling and other treatment of such waste.
	Presentations Presentation (1): Resource recovery from electric and electronic waste recycling: technologies barriers and opportunities – by Representative of the Singapore (8 mins) Presentation (2): Achieving circular economy for the e-waste sector in Viet Nam – by Mr. Nguyen Trung Thang, Deputy Director General, Institute of Strategy and Policy on Natural Resources and Environment, Ministry of Natural Resources and Environment, Viet Nam (8 mins)
	<u>Session Chair:</u> H.E. Tereapii Kavana, Associate Minister, Support Office of the Deputy Prime Minister, Cook Island

10:45-12:15 (Conference Hall 1 / First Floor)	Presentation (3): From scrap to sustainability: Advancing a sustainable end-of live vehicle processing operation in Kiribati – by Mr. Alice Leney, Programme Manager, Kiribati Solid Waste Management Programme; Ministry of Environment, Lands and Agricultural Development, Kiribati (8 mins) Presentation (4): Circular economy on electric and electronic waste – by Mrs. Sunita Verma, Group Coordinator & Scientist G, Ministry of Electronics and Information Technology (MeitY), Government of India (8 mins) <u>Panel Discussion (40 mins)</u> • Mr Manish Jain, Associate Director, Sustainability, Indian Cellular and Electronics Association, MeitY • Mr. Upendra Tripathy, Founding Director General Emeritus, International Solar Alliance; and Former Secretary, Ministry of New and Renewable Energy, Government of India • Ms. Pranita Upadhyaya, Head of the ITU Area Office and Innovation Centre for South Asia, ITU • Dr. Vivek Agarwal, Chairman, Institute of Chartered Waste Managers • Mr. Ioane Sio, Project Manager, Samoa Recycling and Waste Management Association (SRWMA)	<u>Facilitator/ Moderator:</u> Prof. Seeram Ramakrishna, National University of Singapore Rapporteur: National Institute of Urban Affairs (NIUA)

Chair Summary (10 mins)

Discussion Points:

1. What are the biggest challenges in managing e-waste within a circular economy framework?
2. What policies and regulations are needed to improve e-waste management and promote circular economy principles?
3. How can Extended Producer Responsibility (EPR) schemes be strengthened to ensure manufacturers take responsibility for end-of-life electronics?
4. How can technology and AI-driven solutions improve e-waste collection, sorting, and recycling?
5. What role do manufacturers play in designing products (e.g., design for environment / DfE) that are easier to repair, upgrade, and recycle? How can international cooperation help address cross-border e-waste trade and illegal dumping?
6. What are successful cases of public-private partnerships (PPP) driving circularity in the electronics sector?
7. What role do education and digital literacy play in promoting responsible e-waste disposal and resource recovery?
8. How can the informal sector be integrated into formal e-waste management systems to ensure fair labor practices and safety?

Question & answer:

10:45-12:15 (Conference Hall 2 / First Floor)	**Parallel Round Table 2** Circular Economy and Plastics Waste This round table will discuss the challenges and opportunities of the circularity of packaging and plastic waste. It will also provide insights into knowledge, research, and partnerships (PPP) to promote eco-friendly alternatives to single-use plastics in addition to the importance of international cooperation. Presentations Presentation (1): Unlocking waste as a resource through a Circular Economy: cases from SPREP countries – by Ms. Susana Telakau, Pacific Region Expert, Secretariat of the Pacific Regional Environment Programme (SPREP) (8 mins) Presentation (2): Circular design of plastic products: a basic vocabulary for the implementation of policy and business tools – by Mr. Daniele Serra, Project Manager, UNIDO on behalf of the Global Alliance on Circular Economy and Resource Efficiency (GACERE) (8 mins) Presentation (3) Recycling, material flow, and recycled content demands of Polyethylene Terephthalate (PET) bottles towards a circular economy in Republic of Korea – by Prof. Yong-Chul Jang, Department of Environmental Engineering, Chungnam National University, Republic of Korea (8 mins) Presentation (4): Unveiling microplastics pollution-issues, challenges and solutions-Case of Thailand – by Prof. Sandhya Babel, School of Bio-Chemical Engineering and Technology, Thammasat University, Thailand (8 mins)	Session Chair: Mr. W. D. S. C. Weliwatta, Additional Secretary (Natural Resources), Ministry of Environment, Sri Lanka

10:45-12:15 (Conference Hall 2 / First Floor)	Presentation (5): Advancing circular economy beyond recycling: WASTE's innovative approach for sustainable waste management with the focus on plastics– by Mr. Pavee Raheja, Business Development Expert, WASTE NL (8 mins) Presentation (6): Turning off the Tap: How the world can end plastic pollution and create a circular economy? – by Dr. Sumit Sharma, United Nations Environment Programme (UNEP) (8 mins) (online) Presentation (7): Creating a sound material-cycle society in small islands: a case from JICA (J-PRISM Initiative – by J-PRISM (8 mins) (online) **Panel Discussion** (20 mins) • Mr Hiten Bheda, Chairman, Environment Committee, All India Plastics Manufacturers' Association • Mr. Padma Kumar Mainalee, Joint Secretary, Urban Development Division, Ministry of Urban Development, Nepal • Ms. Pepetua Election Latasi, Permanent Secretary, Ministry of Home Affairs, Climate Change and Environment, Tuvalu • Ms. Wassana Jangprajak, Environmentalist, Senior Professional Level, Pollution Control Department, Ministry of Natural Resources and Environment, Government of Thailand • Mr. Amitesh Mithum Deo, Founder/Director, Pacific Recycling Foundation, Fiji	Facilitator/Moderator Dr. Charles Karangwa, Global Head of Nature-based Solutions, International Union for Conservation of Nature (IUCN) **Rapporteur:** National Institute of Urban Affairs (NIUA)

Chair Summary (10 mins)

Discussion Points:

1. What are the biggest challenges in managing plastic waste within a circular economy framework?
2. What role does Extended Producer Responsibility (EPR) play in ensuring manufacturers take accountability for plastic waste?
3. How can international or global agreements help harmonize plastic waste management strategies across borders?
4. What are some successful circular economy models for plastics, such as reuse, refill, and closed-loop recycling systems?
5. How can innovations in biodegradable plastics and alternative materials contribute to reducing plastic waste? How can nature-based solutions (NbS) contribute to the prevention and minimization of plastic waste? What are some successful examples of using NbS to mitigate plastic pollution in urban and coastal environments?
6. How can public-private partnerships (PPP) accelerate plastic waste reduction and recycling efforts? What successful PPP models have been implemented to tackle plastic waste at scale? How can collaboration between brands, waste management companies, and governments improve plastic waste circularity?
7. What role does education and awareness play in driving public engagement in plastic waste reduction?
8. How can the informal sector be integrated into formal waste management systems to improveplastic recycling rates and social equity?

Question & Answer :

10:45-12:15

(Mini Audi 1 / First Floor)

Parallel Round Table 3

Circular Economy and Textile and Fashion Industry

This round table will discuss the challenges and opportunities of the circularity of textile and fashion clothing. It will also provide insight to identify steps to facilitate a circular textile economy

Presentations

Presentation (1): Closing the Loop: The drivers of change towards circularity within the textile and fashion industry– by Ms. Morgane Parizot, Strategic Education Director at Redress, and Founder at Looped, Hong Kong, Special Administrative Regions of China (8 mins)

Presentation (2): Circular economy in textile and fashion industry of India: challenges and opportunities – by Clothing Manufacturers Association of India (CMAI) (8 mins)

Presentation (3): Advancing circularity within the Birla's textile and fashion industry – by Ms. Sonal Kaushik, Environment Head, Aditya Birla Group, Aditya Birla Fashion and Retail Limited (ABFRL) (8 mins)

Presentation (4): Approaches for circular textile and apparel industry in India – by Mr. Tushar Jani, Centre for Environment Education (CEE), India (8 mins)

Presentation (5): India's textile recycling initiatives– by Ms. Mansha Balecha, Engagement Manager - Sattva (8 mins)

Presentation (6): Realizing Circular Solutions towards Achieving SDGs and Carbon Neutrality in Asia Pacific – by Mr. Pankaj Kumar, National Project Coordinator, UNIDO, India (8 mins)

Session Chair:
Mr. Rohit Kansal, Additional Secretary, Ministry of Textiles, Government of India

Facilitator/ Moderator:
Mr. Wayne Hubbard, Chief Executive Officer, ReLondon and Representative of Circular Economy Institute (CEI), UK

Panel Discussion (20 mins)

- Representative of Zama city, Japan
- Mr. Md. Rezaul Karim, Joint Secretary, Ministry of Environment, Ministry of Environment, Forest and Climate Change (MoEFCC), Bangladesh (tbc)
- Ms. Morgane Parizot, Strategic Education Director at Redress, and Founder at Looped, Hong Kong, Special Administrative Regions of China
- Ms. Shruti Singh, Fashion for Good, India

Rapporteur:
National Institute of Urban Affairs (NIUA)

Chair Summary (10 mins)

Discussion Points:

1. What are the biggest challenges in making the textile and fashion industry more circular?
2. How does the current linear model (fast fashionand fast discard) contribute to environmental and social issues?
3. What are the key opportunities for circularity in textiles, from design to disposal?
4. How can governments enforce Extended Producer Responsibility (EPR) to promote sustainable textile production and waste management?

5. What incentives can policymakers introduce to encourage circular business models in the fashion industry?
6. How can brands transition from fast fashion to circular models such as resale, rental, and repair?
7. How can consumers be encouraged to embrace sustainable fashion choices, such as buying second-hand or repairing clothes? How can social movements, influencers, and media groups help accelerate the shift toward sustainable fashion consumption?
8. What role do retailers, manufacturers, and governments play in building closed-loop supply chains? How can collaboration across industries (e.g. fashion and technology, fashion and waste management) drive transition to circularity?

Questions & Answer :

10:45-12:15

(Multi-Purpose Hall Part 1 / First Floor)

Parallel Round Table 4

Circular Economy and Construction Industry

This round table will discuss the challenges and opportunities of the circularity of construction materials such as concrete, iron, timber and so on. It will also provide insights into energy efficiency in buildings, and recycling and alternative construction materials.

10:45-12:15 (Multi-Purpose Hall Part 1 / First Floor)	Presentations Presentation (1): Driving the cement and concrete industry's journey towards Net Zero Carbon by 2050– by Prof. Hao WANG, Professor of Materials and Manufacturing, University of Southern Queensland, Australia (8 mins) Presentation (2): Collaborative models for circular construction: Dutch approaches to industry-wide transformation – by Mr. Jaap Veenenbos, CEO of SusBDe (8 mins) (online) Presentation (3): Building a greener and cleaner India through circular economy in the construction industry – by Representative of L&T, India/ Representative of Central Building Research Institute (CBRI), India (8 mins) Presentation (4): Dr. L P Singh, Director General, National Council for Cement and Building Materials (NCB) (8 mins) Panel Discussion (40 mins) • Mr. Haden Talagi, Director, Department of Environment, Ministry of Natural Resources, Niue • Mr. Calvin Ikesiil, Chief, Division of Solid Waste Management, Bureau of Public Works, Ministry of Public Infrastructure and Industries, Palau • Ms. Michiko Miyamoto, Country Director, International Labour Organization (ILO) • Ms. Soumya Chaturvedula, Director, ICLEI South Asia	Mr. Narayan Prasad Bhandari, Joint Secretary, Ministry of Urban Development, Government of Nepal Facilitator/ Moderator: Dr. Rupa Chanda, Director of Trade, Investment and Innovation Division, United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP) Rapporteur: National Institute of Urban Affairs (NIUA)
	Chair Summary (10 mins)	

Discussion Points:

1. What are the key challenges in shifting from a linear "take-make-dispose" model to a circular approach in the construction sector?
2. What policies and regulations can encourage circularity in construction materials and building design? How can governments promote circular construction practices through incentives, mandates, and public procurement policies?
3. What role do building codes and certification systems play in advancing circular construction?
4. How can recycled and bio-based materials contribute to a more sustainable construction industry?
5. How can construction companies adopt "design for deconstruction vis-à-vis design for environment (DfE)" principles to enable material reuse and repurposing?
6. How can digital technologies (e.g., Building Information Modelling (BIM), AI, IoT) improve material tracking, waste reduction, and circular construction planning?
7. How can cities and municipalities support the development of urban mining for resource recovery and secondary material markets? What role do contractors, architects, and developers play in ensuring materials are reused instead of discarded?
8. How can public-private partnerships (PPP) accelerate circular economy adoption in the construction sector? What are some successful case studies where collaboration between government, businesses, and communities has driven circular construction?

Question & answer

10:45-12:15

(Multi-Purpose Hall Part 2 / First Floor)

Parallel Round Table 5

Circular Economy and Biomass Waste

This round table will discuss the challenges and opportunities of the circularity of biomass waste. It will also provide insights into research to enhance circular economy utilization of biomass waste towards sustainable regional development.

Presentations

Presentation (1): Organic farming and its role in circular economy - Dr. Gagnesh Sharma, Director, National Centre for Organic and Natural Farming, Department of Agriculture and Farmers' Welfare, Government of India (8 mins)

Presentation (2): Towards a circular economy that begins and ends in nature- Dr. Dindo Campilan, Regional Director for Asia and Hub Director for Oceania, International Union for Conservation of Nature (IUCN) (8 mins)

Presentation (3): Harnessing the circular bioeconomy for circular societies– by Mr. Takayuki Hagiwara, FAO Representative in India, Food and Agriculture Organization of the United Nations (FAO) (8 mins)

Presentation (4): The Future of Biomass in a Circular Economy: Sustainable Solutions for Resource Recovery and Carbon Neutrality- Prof. Agamutu Pariatamby, Sunway University, Malaysia (8 mins)

Presentation (5): Food composting cases from Zama City in Kanagawa Prefecture, Japan – by Zama City, Japan (8 mins)

Presentation (6): Biomass industry: Case of Tokachi City in Hokkaido, Japan – by Tokachi City, Japan (8 mins)

Session Chair:
Ms. Pepetua Election Latasi, Permanent Secretary, Ministry of Home Affairs, Climate Change and Environment, Tuvalu

Facilitator/ Moderator:
Prof. Agamutu Pariatamby, Sunway University, Malaysia (tbc)

Rapporteur:
National Institute of Urban Affairs (NIUA)

Panel Discussion (30 mins)

- Mr. Preet Pal Singh, Joint Secretary, Ministry of Food Processing Industries, Government of India
- Ms. Asi Fangalua Kaufusi Halaleva-Pasilio, Director, Department of Economic Development, Natural Resources and Environment, Tokelau
- Mr. Um Serivuth, Director NPCC, Ministry of Industry, Science, Technology and Innovation (MoISTI), Cambodia
- Ms. Kritika Raj, Principal Environment Officer, Ministry of Environment and Climate Change, Government of Fiji
- Mr. Filimone Kata Lapaoo, Senior Environmentalist, Department of Environment, Ministry of Meteorology, Energy, Information, Disaster Management, Environment, Climate Change and Communications, Tonga
- Mr. Takayuki Hagiwara, FAO Representative in India, Food and Agriculture Organization of the United Nations (FAO)

Chair Summary (10 mins)

Discussion Points:

1. How can biomass waste be effectively integrated into a circular economy, and what are its potential benefits for sustainability?
2. What types of biomass waste (e.g., agricultural residues, food waste, forestry by-products) hold the greatest potential for circular solutions? How can biomass waste be used to create valuable products, such as bioenergy, bioplastics, or bio-based chemicals, while minimizing environmental impact?

3. How can governments support the development of sustainable biomass waste industries through incentives, research, and development funding?
4. What are the most successful circular business models for using biomass waste, and how can they be scaled across different industries?
5. How can public-private partnerships (PPP) drive innovation and investment in biomass waste management and circular economy solutions?
6. What role do local governments, businesses, and communities play in promoting the sustainable use of biomass waste?
7. What are some of the most promising emerging technologies for converting biomass waste into valuable products (e.g., biofuels, bioplastics, and biochemicals)? What role does the circular use of biomass in food and agriculture (e.g., organic waste to compost, organic fertilizers) play in closing the loop?
8. How can the transition to a circular economy with biomass waste improve livelihoods, particularly in rural or low-income communities?

Question & answer:

10:45-12:15

(Mini Audi 2 / First Floor)

Parallel Round Table 6

Circular Economy and Freshwater Resources

This round table will discuss the challenges and opportunities of the circularity of water storage, water efficiency and wastewater management and so on. It will also provide prospects of circular economy in wastewater reuse and recycling in the region.

10:45-12:15 (Mini Audi 2 / First Floor)	Presentations Presentation (1): Learning from Singapore's Circular Water Economy– by Representative of the Government of Singapore (8 mins) Presentation (2): River Cities Alliance (RCA), and Urban River Management Plan (URMP) by Mr Nalin Kumar Srivastava, Deputy Director General, NMCG (8 mins) Presentation (3): Enabling a circular economy approach in wastewater management: Cases form Denmark– by Representative of Danish Embassy New Delhi, India (8 mins) Presentation (4): – Circular economy through the reuse of treated wastewater by Mr. Rajeev Kumar Mital, Director General, National Mission for Clean Ganga (NMCG) or Mr. Brijendra Swaroop, Executive Director (Projects), NMCG, India (8 mins) Presentation (5): Empowering cities and communities through circular water solutions: Global examples – by Mr. Emani Kumar, Deputy Secretary General, ICLEI Global and Executive Director, ICLEI South Asia (8 mins) Presentation (6): Circular towards water Security of India – by Prof. Brajesh Kumar Dubey, Department of Civil Engineering and Chairperson - School of Water Resources, IIT-Kharagpur, India (8 mins)	Session Chair: Ms. Batzaya Sed-Ayushjav, Director General, Ministry of Urban Development, Construction and Housing (MoUDCH), Mongolia

Panel Discussion (30 mins)

- City Representative, India
- Mr. Tri Supondy, Director General of Industrial Resilience, Region, and International Industrial Access, Ministry of Industry, Indonesia
- Ms. Maria Socorro A. Abu, Regional Director/Director II, Environmental Management Bureau, Department of Environment and Natural Resources (DENR), the Philippines
- Ms. Heni Kurniawati, Head Pollution and Environmental Damage Control Division, Environmental Agency, Palembang City, Indonesia
- Ms. Priyanka Singh, Programme Lead Council on Energy, Environment and Water, India

Facilitator/ Moderator:
Prof. Brajesh Kumar Dubey, Department of Civil Engineering and Chairperson - School of Water Resources, IIT-Kharagpur, India

Chair Summary (10 mins)

Discussion Points:

1. What are the key challenges in integrating water use into a circular economy, and how can they be overcome?

2. According to the United Nations, water scarcity affects approximately 3.6 billion people globally, who experience inadequate access to water for at least one month per year. This situation is projected to worsen, with over 5 billion people expected to face water shortages by 2050. Additionally, around 2 billion people (26% of the global population) lack access to safe drinking water, and 3.6 billion (46%) lack access to safely managed sanitation services. What are the possible impacts a shift to the circular economy would have on SDG 6 (ensure availability and sustainable management of water and sanitation for all)?

Rapporteur:
National Institute of Urban Affairs (NIUA)

3. What role should governments play in integrating circular economy principles into water management policies and regulations? What role does water pricing and financial mechanisms play in driving the adoption of circular water practices across sectors?
4. How can public-private partnerships (PPP) foster innovation and investment in sustainable water management solutions? What role can collaborations between water utilities, industries, and local governments play in ensuring equitable access to water while promoting circular practices?
5. How can nature-based solutions (e.g., wetlands, urban green spaces) contribute to improving water quality and minimizing freshwater consumption?
6. How can digital solutions (e.g., IoT, AI) optimize water management systems to reduce waste, increase efficiency, and improve access to clean water?
7. What roles can international organizations and collaborations play in fostering global dialogue and action on sustainable freshwater use within a circular economy?

Question & answer:

Plenary Sessions

12:15-13:00

Plenary Session 7
Round Table Reporting Back Session

Reporting back Round Table 1 (5 mins)
Reporting back Round Table 2 (5 mins)
Reporting back Round Table 3 (5 mins)
Reporting back Round Table 4 (5 mins)
Reporting back Round Table 5 (5 mins)
Reporting back Round Table 6 (5 mins)

Session Chair:
Mr. Padma Kumar Mainalee, Joint Secretary, Urban Development Division, Ministry of Urban Development, Nepal
Facilitator/ Moderator:
Prof. Yong-Chul Jang, Department of Environmental Engineering, Chungnam National University, Republic of Korea
Rapporteur:
National Institute of Urban Affairs (NIUA)

13:00-14:00 Networking Lunch Break (Convention Hall / Upper Ground Floor)

14:00-15:30

(Main Auditorium / Upper Ground Floor)

Plenary Session 8
Greening SMEs Towards Circular Society (SDG 9) Including the Role of PPP (Public-Private Partnership)
This session will discuss barriers and drivers of eco-innovations, smart and digital technologies transition towards industry 4.0 and public policy solutions for fostering sustainable development, including barriers and drivers of PPP and public policy solutions for incentivizing the private sector towards sustainable development building upon transition towards circular economy.

14:00-15:30 (Main Auditorium / Upper Ground Floor)	Presentations Presentation (1): Greening SMEs towards circular society: role of private sectors – by Dr. Sudip Ranjan Basu, Chief of Sustainable Business Network Trade, Investment and Innovation Division, United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP) (8 mins) Presentation (2): Promoting circular economy in MSME sector - Mr. Ateesh Singh, Joint Secretary, Ministry of Micro, Small and Medium Enterprises, Government of India Presentation (3): Policy recommendations, practical guidance and tools on greening SMEs – by Ms. Michiko Miyamoto, Country Director, International Labour Organization (ILO) (8 mins) Presentation (4): Designing for circularity: European best practices in product life cycle management – by Mr. Wayne Hubbard, Chief Executive Officer, ReLondon, UK & and Representative of Circular Economy Institute (CEI), Spain (8 mins) Presentation (5): Circularity and resource efficiency: How can we overcome the challenges (technical and financial capacity) towards greening their entire supply chain– by Mr. Arab Hoballah, Senior Expert 3R & Circular Economy, SWICH Asia and Ex-Chief of Sustainable Consumption and Production at the United Nations Environment Programme (UNEP) (8 mins)	Session Chair: Ms. Maqsura Noor, Additional Secretary, Ministry of Industry (MoI), Government of Bangladesh (tbc) Facilitator/ Moderator: Dr. Sudip Ranjan Basu, Chief of Sustainable Business Network Trade, Investment and Innovation Division, UN ESCAP Rapporteur: National Institute of Urban Affairs (NIUA)

Panel Discussion (30 mins)

- Dr. K Rajkumar, Director, Indian Rubber Materials Research Institute (IRMRI), Ministry of Commerce and Industry, Government of India
- Mr. Pankaj Sinha, Representing Chair of the ESCAP Sustainable Business Network (ESBN) Task Force on Circular Economy; Global Business Director-Recycling, Indorama
- Mr. Ankit Todi, ESCAP Sustainable Business Network (ESBN) Executive Council member; Group Chief Sustainability Officer, Mahindra Group
- Mr. Kamal Nanavaty, President, Reliance Industries Limited
- Prof. Ms. Mona Gupta, ESCAP Sustainable Business Network (ESBN) member; Director & Advisory Board Becquer Energy
- Ms. Vaishakhi Shah, Executive Director, PricewaterhouseCoopers Advisory, India

Chair Summary (10 mins)

Discussion Points:

1. Why are greening SMEs crucial in the transition towards a circular society, and how can they contribute to SDG 9 (Industry, Innovation, and Infrastructure)? What are the critical enablers that the Governments should consider for greening the SMEs towards circularity?

2. Required financial and technical capacity and high upfront costs are critical challenges for SMEs. How can SMEs access green financing, and what role do financial institutions play in supporting their circular transition?

3. What type of information-based instruments can governments facilitate in raising the awareness of both consumers and SMEs on the needs and benefits of greening the supply chain?

4. What are the best examples and experiences where environmental regulations have encouraged SMEs and firms to pursue green strategies towards cost savings, market competitiveness and better public image?

5. What are the key enablers to promote government-to-business, business-to-business, and industry-to-industry interactions in greening the operations and supply chain? What could various technologies offer in this regard?

6. How can PPPs facilitate SME engagement in circular economy initiatives? What are the key success factors for effective PPPs in promoting SME sustainability? Can you highlight successful examples of PPPs that have helped SMEs transition to circular practices?

Question & answer:

15:30-16:00	Review of the New Declaration and Chair's Summary
16:00-17:30 (Main Auditorium / Upper Ground Floor)	**Plenary Session 9** Discussion and Adoption of the Jaipur Declaration New Declaration on 3R and Circular Economy – Sustainable 3R and Circular Economy Goals for Achieving Resource Efficient, Clean, Resilient, Sound Material Cycle and Low-Carbon Society in Asia and the Pacific (2024-2034)" and Adoption of Chair's Summary Forum Chair: Hon'ble Shri Tokhan Sahu, MoS, Minister of Housing and Urban Affairs (MoHUA), Government of India

16:00-17:30 (Main Auditorium / Upper Ground Floor)	Facilitator/Moderator: C. R. C. Mohanty, Environment Programme Coordinator, UNCRD/ DSDG/UNDESA & Mr. Arab Hoballah, Senior Expert 3R & Circular Economy and Ex-Chief of Sustainable Consumption and Production at the United Nations Environment Programme (UNEP)	Rapporteur: Dr. Ganesh Raj Joshi, United Nations Centre for Regional Development (UNCRD)- DSDG/UN DESA & National Institute of Urban Affairs (NIUA

Closing Session

17:30-18:00 (Main Auditorium / Upper Ground Floor)	Handover (Current host to next Host) Ceremony (10 mins) Closing Remarks • C. R. C. Mohanty, Environment Programme Coordinator, United Nations Centre for Regional Development (UNCRD)- DSDG/UN DESA (5 mins) • Dr. Rupa Chanda, Director of Trade, Investment and Innovation Division, United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP) (5 mins) • Ministry of the Environment, Japan (5 mins) • Ministry of Housing and Urban Affairs (MOHUA), India (5 mins)

India Pavilion

3rd March 2025 - MONDAY		
Time	**Particulars**	**Participants**
14:00-15:15 (Parallel to Plenary Session 2)	**CITIIS 2.0 Kick Off**	
14:00 to 14:10	Welcome remarks and context setting presentation	Ms Roopa Mishra Joint Secretary, MoHUA
14:10 to 14:15	Special Address India – EU Strategic Partnership for fostering smart, sustainable, inclusive urban development	Mr Franck Viault Minister Counselor and Head of Cooperation, European Union
14:15 to 14:20	Special Address Horizon 20247 – Supporting urban and ecological transitions in India as well as social inclusion	Ms Lise Breuil Country Director, The French Development Agency (AFD)
14:20 to 14:25	Special Address India – Germany Strategic Cooperation for Green and Sustainable Development	Mr Wolf Muth Country Director, The German Development Bank (KfW)
14:25 to 14:45	Signature of the Quadrilateral Agreement with 18 cities selected under the Component 1 and Tripartite Agreement with 21 States under Component 2 of the CITIIS 2.0 program	
14:45 to 14:55	Special Address Viksit Bharat 2047- Paving the pathways for a future-ready and sustainable urban India	Mr Srinivas Katikithala Secretary, MoHUA
14:55 to 15:05	Special Address	Mr Tokhan Sahu Minister of State, MoHUA
15:05 to 15:15	Keynote Address	Mr Manohar Lal Union Cabinet Minister, MoHUA
15:30 to 17:00 (Parallel to Plenary Session 3)	**Session 1: Mayors' Dialogue** Co Chair : 1. Ms Somya Gurjar, Hon'ble Mayor, Jaipur (Greater) 2. Smt. Kusum Yadav, Hon'ble Mayor, Jaipur (Heritage)	

Time	Particulars	Participants
15:30 to 15:35	Context Setting by the Moderator	Dr Debolina Kundu, Director, NIUA
15:35 to 15:40	Opening Remarks by Co-chair	1. Ms Somya Gurjar, Hon'ble Mayor, Jaipur (Greater) 2. Smt. Kusum Yadav, Hon'ble Mayor, Jaipur (Heritage)
15:40 to 16:45	Brief intervention by the Hon'ble Mayors	1. Mr Mukesh Tatwal, Hon'ble Mayor, Ujjain 2. Ms Malti Rai, Hon'ble Mayor, Bhopal 3. Mr Pushymitra Bhargav, Hon'ble Mayor, Indore 4. Ms Surinder Chauhan, Hon'ble Mayor, Shimla 5. Mr Saurab Thapliyal, Hon'ble Mayor, Dehradun 6. Ms Harpreet Kaur Babla, Hon'ble Mayor, Chandigarh 7. Ms Khulbhushan Goyal, Hon'ble Mayor, Panchkula 8. Ms Sushma Kharakwal, Hon'ble Mayor, Lucknow 9. Dr Manglesh Kumar Srivastava, Hon'ble Mayor, Gorakhpur 10. Mr Laxmi Narayan Gupta, Hon'ble Mayor, Chapra 11. Mr G. Sudha Rani, Hon'ble Mayor, Greater Warangal 12. Mr Sun Ramanathan, Hon'ble Mayor, Thanjavur 13. Ms Arya Rajendran S, Hon'ble Mayor, Thiruvananthapuram 14. Mrs Hemlata Diwakar, Hon'ble Mayor, Agra 15. Ms Indirani Ponvasanth, Hon'ble Mayor, Madurai
16:45 to 16:55	Interactive Q&A	
16:55 to 17:00	Closing Summary by the Moderator	Dr Debolina Kundu, Director, NIUA

4th March 2025 - TUESDAY		
Time	**Particulars**	**Participants**
12:00 to 13:30 (Parallel to Country Breakout sessions)	**Session 2: India Pathways to Circular Economy** Chair Mr Srinivas Katikithala Secretary, MoHUA Co-Chair 1. Mr Sudhansh Pant, Chief Secretary, Government of Rajasthan 2. Dr K. H. Govinda Raj, Principal Secretary, Government of Maharashtra	
12:00 to 12:05	Context setting by the Moderator	Dr T.K. Sreedevi, C&DMA and SMD, SBM (U) 2.0
12:05 to 13:00	Moderated discussion focusing on the strategies for circular economy initiatives	**North Zone** 1. Mr Zaffar Iqbal, Municipal Commissioner, Dharamshala 2. Dr Devansh Yadav, Mission Director, SBM U 2.0 J&K U.T./ Commissioner, Jammu 3. Ms Sushma Kharakwal, Mayor, Lucknow 4. Ms Rukmini Riar, Municipal Commissioner, Jaipur (Greater) **South Zone** 1. Dr Selvamani V., State Mission Director, Swachh Mission Director 2. Dr T.K. Sreedevi, C&DMA and SMD, SBM (U) 2.O 3. Ms Indirani Ponvasanth, Hon'ble Mayor, Madurai 4. Mr G. Kannan, Municipal Commissioner, Thanjavur **East Zone** 1. Mr Laxmi Narayan Gupta, Mayor, Chapra 2. Mr Arindam Dakua, DMA & Ex-officio Additional Secretary, H&UD Department, Odisha 3. Mr Sunil Kumar, Principal Secretary, Urban Development & Housing Department, Jharkhand 4. Mr Vikram Virkar, Municipal Commissioner, Muzaffarpur

Time	Particulars	Participants
		West Zone 1. Mr Shivam Teotia, Joint Secretary, Urban Development, Dadra & Nagar Haveli and Daman & Diu 2. Mr Sanjit Rodrigues, MD & CEO, Imagine Panaji Smart City Limited 3. Mr Tushar Sumera, Municipal Commissioner, Rajkot 4. Mr Shekhar Singh, Municipal Commissioner, Pimpri Chinchwad **North-East Zone** 1. Mr Megha Nidhi Dahal, Municipal Commissioner, Guwahati 2. Mr R.K. Dinesh Singh, Principal Secretary (MAHUD), Manipur 3. Dr Shailesh Yadav, Commissioner & CEO Agartala 4. Ms Wanrilin A.M. Booth, Secretary, Urban Affairs Department, Meghalaya 5. Mr Jitendra Singh Raje, Commissioner and Secretary, Urban Development Department, Sikkim **Central Zone** 1. Dr. Basawraju S., Secretary, Urban Administration and Development Department, Chhattisgarh 2. Mr Amit Kumar, Municipal Commissioner, Bilaspur 3. Ms Malti Rai, Mayor, Bhopal 4. Mr Harendra Narayan, Municipal Commissioner, Bhopal
13:00 to 13:15	Special Remarks	Upcycling Cloth Waste - Dr. Nirmala Padmanabhan, Kerala Recycling Plastics - Ms. Sonal, Delhi

Time	Particulars	Participants
13:15 to 13:20	Launch of knowledge products	1. SBM Waste to Wealth PMS Portal 2. IFC Document Reference Guide: Business Models and Economic Assistance for Municipal Solid Waste (MSW) Projects (Photo-op) 3. CEEW - Tailoring the solid waste management practices: An outlook from cities with a million-plus population – (Photo-op) 4. MOU between CSIR and MoHUA (Video) 5. Release of Best Practices Compendium on Circular Economy
13:20 to 13:30	Keynote address by the Chair with Co-Chairs on the Dias	Mr Srinivas Katikithala Secretary, MoHUA Mr Sudhansh Pant, Chief Secretary, Government of Rajasthan
15:00 to 16:00 (Parallel to Technical Site Visit)	**Session 3: Innovations for Urban Housing**	
15:00 to 15:10	Opening Remarks	Mr Srinivas Katikithala Secretary, MoHUA
15:10 to 15:35	Best Practices on Affordable Housing- Incentivizing private investment	States sharing Best Practices: Rajasthan, Gujarat, Maharashtra, Tamil Nadu, West Bengal
15:35 to 15:50	Models of Affordable Rental Housing- Building on existing success stories	Experience Sharing By: Tamil Nadu, Gujarat, Chandigarh
15:50 to 16:00	Open Forum & Way forward	Mr Kuldip Narayan, JS&MD (HFA) Housing for All, MoHUA, Govt. of India

5th Mar 2025 - WEDNESDAY		
Time	**Particulars**	**Participants**
10:45 to 12:15 (Parallel to Parallel thematic Roundtable session)	**Session 4: Business Roundtable** Co-Chair : 1. Mr. Sanjay Kulshrestha, CMD, HUDCO 2. Mr. P K Madhavaswamy, CMD, NBCC	
10:45 to 10:50	Opening Remarks by the Moderator	Mr Prashant Singh, Co-Chair, CII-Circular Economy
10:50 to 12:10	Moderated panel discussion	1. Dr. Vivek S Agrawal, Institute of Chartered Waste Managers & National President ISWA 2. Mr Jayesh Khimji Rambhia, All India Plastic Manufacturing Association 3. Dr. A. R Shukla, Indian Biogas Association 4. Mr Masood Mallick, Chair, CII-Circular Economy 5. Mr Prashant Singh, Co-Chair, CII-Circular Economy 6. Mr Ajinkya Dhariya, Founder, Pad Care Labs
12:10 to 12:15	Closing Remarks by Co-chair	1. Mr. Sanjay Kulshrestha, CMD, HUDCO 2. Mr. P K Madhavaswamy, CMD, NBCC
12:15 to 13:15 (Parallel to Plenary Session 7)	**Session 5: Tech Solutions for Circularity- Opportunities & Challenges**	
12:00 to 12:10	Context setting by Moderator	Prof Srinivas Chary
12:10 to 12:55	Moderated discussion - 15 mins to each speaker	1. Dr N C Murmu 2. Dr Kulwant Singh 3. Dr Debapratim Pandit
12:55 to 13:00	Closing Summary by the Moderator	Prof Srinivas Chary

Knowledge Sessions by Japan

Side Event 1: by MOE-Japan (Day 1: March 3)

Time: 12:30-13:30 & Venue: Main Auditorium/ Upper ground floor

Side Event 1

Theme: Decarbonization Technologies in the Waste and Resources Sector for Realizing a Circular Economy

Event Overview

In Japan, postwar economic development and the concentration of population in urban areas led to a rapid increase of waste, and the deterioration of public health became a major social problem. In response, cities have been promoting incineration instead of landfill disposal for sanitary disposal and volume reduction, and each city has been introducing waste incineration facilities. Furthermore, in recent years, Japan have been promoting the formation of a Sount Material-Cycle society by recovering energy such as heat and electricity, implementing the 3Rs, and ensuring proper disposal. This has also contributed significantly to reducing greenhouse gas (GHG) emissions compared to landfill disposal. This event will be held as a side event of the 12th Regional 3R and Circular Economy Forum in Asia and the Pacific and will introduce the latest approaches to waste treatment and energy recovery/utilization to achieve net-zero emissions and a circular economy.

Outline

Theme: Decarbonization Technologies in the Waste and Resources Sector for Realizing a Circular Economy

Date: 3 March 2025 12:30~13:30

Place: Rajasthan International Center, Jaipur City, Rajasthan, INDIA

Format: Hybrid

Language: English

Organizer: Ministry of the Environment, Japan

Pogram

Moderator: Overseas Environmental Cooperation Center, Japan		
12:00 (5min)	Opening Remarks	Mr. Yasushi Katsume, Parliamentary Vice Minister, Ministry of the Environment, Japan
12:05 (7min)	Introducing JFE's Solutions for realizing a Circular Economy ~Waste Recycling Technology and CCUS~ (tbc)	JFE Engineering Corporation
12:12 (7min)	Resource circulation realized by diverse waste treatment technologies and CCUS (tbc)	Kanadevia Corporation
12:19 (7min)	Energy savings and CO2 emissions reduction performance of trans-heat containers (tbc)	SANKI ENGINEERING CO., LTD.
12:26 (7min)	(tbd)	NIPPON STEEL ENGINEERING CO., LTD.
12:33 (7min)	(tbd)	Eight-Japan Engineering Consultants Inc. (tbc)
12:40 (10min)	Q&A	
12:50	Closing	

Side Event 2: by MOE-Japan (Day 1: March 3)

Time: 15:30-16:30 & Venue: Japan room/Lower ground floor

Side Event 2

Theme: Accelerating Circular Society: Expansion and Reproducibility of Municipal Achievements in 3R and Circular Economy

1. Event Overview

This side event will explore how successful municipal governments with notable achievement in the 3Rs (Reduce, Reuse, Recycle) and circular economy practices can expand and reproduce their successes. These municipalities provide valuable insights into how innovative policies and practical initiatives can drive sustainable urban systems. By analyzing their success factors and discussing strategies for adapting and scaling these practices, the event aims to promote widespread adoption and accelerate the transition to a circular society.

Background and Rationale:

Municipal governments are key players in implementing 3R and circular economy initiatives, often achieving innovative solutions to urban challenges. Some municipalities have made significant progress in waste reduction, resource efficiency, and decarbonization. These successful models provide valuable insights into how municipalities can lead the transition to a circular society. This event focuses on analysing such achievements, identifying the factors behind their success, and discussing how their policies, technologies, and community engagement approaches can be adapted and reproduced in other cities, ensuring scalable impact and global relevance.

Key Objectives:

1. Showcase Expansion Potential:
Present successful municipal initiatives with proven results and scalable frameworks.

2. Promote Reproducibility:
Explore how other municipalities can adapt and implement these practices in diverse contexts.

3. Strengthen Knowledge Transfer:
Encourage peer-to-peer learning and collaboration among municipalities to share best practices and resources.

4. Discuss Enablers for Scaling:
Highlight critical factors such as policies, financing, technology, and partnerships that drive success.

Side Event 2: by MOE-Japan (Day 1: March 3)

Time: 15:30-16:30 & Venue: Japan room/Lower ground floor

Expected Outcomes:

1. Increased awareness of successful municipal models and their expansion potential.
2. Practical strategies for reproducing 3R and circular economy initiatives in other cities.
3. Strengthened networks for collaboration and knowledge transfer among municipal leaders.
4. Actionable recommendations for scaling municipal successes globally.

Agenda	
Opening Remarks	Parliamentary Vice Minister: Mr. Yasushi Katsume Ministry of the Environment, Japan (MOEJ)
Presentation 1:	Mr. Motomi Saito from Osaki Town, Japan
Presentation 2:	**Eco-Town Initiative from a municipality, India**
Panel Discussion:	Moderator: Dr. Kazuhiko Takemoto President of Overseas Environmental Cooperation Center Title: Scaling Local Success: Expanding and Reproducing Municipal Achievements in 3R and Circular Economy

Case Clinics by Secretaries and Commissioners

12th Regional 3R & Circular Economy Forum in Asia and the Pacific

Conference Room- First Floor, Rajasthan International Centre

Participants:

- Principal Secretaries/ Secretaries of State Governments
- Directors (UD/ ULB) and Mission Directors of State Governments
- Municipal Commissioners and Smart City CEOs

3rd March 2025 - MONDAY		
Time	**Primary Session**	**Side Events**
15:30 - 17:15 (Parallel to Plenary Session 3, Ambassadors' Roundtable and Mayors' Dialogue)	Session: Case Clinic Co-Chairs: Mr S Suresh Kumar, Principal Secretary to the Government of Andhra Pradesh Dr Sharmila Mary Joseph, Principal Secretary to the Government of Kerala Moderator: Ms Isha, Director (AMRUT), MoHUA	
15:30 to 15:35	Context Setting by the Moderator	Ms Isha, Director (AMRUT), MoHUA
STATE INSIGHTS		
15:35 to 15:45	Case 1- Gujarat	Ms Remya Mohan, Commissioner of Municipal Administration and Managing Director, GUDC
15:45 to 15:55	Case 2- Karnataka	Mr Sharat B, Managing Director, Karnataka Urban Infrastructure Development Finance Corporation (KUIDFC)

3rd March 2025 - MONDAY		
Time	**Primary Session**	**Side Events**
15:55 to 16:05	Case 3- Goa	Mr Sanjit Rodrigues, Managing Director, Panaji Smart City Development Ltd
16:05 to 16:15	Case 4- Ladakh	Mr Vikram Singh Malik, Administrative Secretary, UT of Ladakh
	CITIES' VOICES	
16:15 to 16:25	Case 5- Maha Kumbh, Prayagraj	Mr Chandra Mohan Garg, Municipal Commissioner, Prayagraj
16:25 to 16:35	Case 6- Greater Warangal	Mr Ashwini Tanaji, Municipal Commissioner, Greater Warangal
16:35 to 16:45	Case 7- Chandigarh	Mr Amit Kumar, Municipal Commissioner, Chandigarh
16:45 to 16:55	Case 8- Ujjain	Mr Sandeep Shiva, CEO, Ujjain Smart City Ltd
16:55 to 17:05	Chair's Summary	Mr S Suresh Kumar, Principal Secretary to the Government of Andhra Pradesh
17:05 to 17:15		Dr Sharmila Mary Joseph, Principal Secretary to the Government of Kerala

Directory of Exhibitors

Trade & Technology Exhibition

Central Ministries of Government of India

1. Department of Drinking Water & Sanitation, Ministry of Jal Shakti
2. Ministry of Petroleum and Natural Gas
3. Ministry of Textiles
4. Ministry of Agriculture and Farmers Welfare
5. Department of Chemicals & Petrochemicals
6. Department of Water Resources, River Development & Ganga Rejuvenation, Ministry of Jal Shakti
7. Ministry of Food Processing Industries
8. Ministry of Electronics and Information Technology
9. Ministry of New and Renewable Energy
10. Ministry of Micro, Small & Medium Enterprises
11. Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry
12. Ministry of Environment Forest & Climate Change
13. Ministry of Information & Broadcasting
14. Ministry of Housing & Urban Affairs

Trade & Technology Exhibition: Start Ups & Private Companies

1.	Padcare Labs	17.	Mailhem Environment Pvt. Ltd.
2.	Decor D'zines	18.	EverEnviro Resource Management Private Ltd.
3.	Ecokaari Private Limited	19.	TPS Infrastructure Pvt. Ltd.
4.	Mudita & Radhesh (Golden Feathers)	20.	Vaigunth Enertek Pvt. Ltd.
5.	Endlos Innovations Pvt. Ltd.	21.	Shakti Plastic Industries
6.	SarfarazSakshi Innovation	22.	SBS Enviro Aqua Concepts Pvt. Ltd.
7.	Himachali Industries	23.	Kam-Avida
8.	Vistaraku-Sustainable Products	24.	IFAT
9.	Blue Planet Environmental Solutions India Pvt. Ltd.	25.	Resource Efficiency and Circular Economy Industry Coalition (RECEIC)
10.	Alwazo Solutions Pvt. Ltd.	26.	ICLEI – Local Governments for Sustainability
11.	Antony Waste Handling Cell Limited	27.	All India Plastics Manufacturers' Association (AIPMA)
12.	NEPRA Environmental Solutions Technologies Pvt. Ltd.	28.	Sahyadri Farms Post Harvest Care Limited
13.	Jindal ITF Urban Infrastructure Ltd.	29.	The Eco Factory Foundation
14.	Re Sustainability Ltd.	30.	Duromech
15.	ROLLZ India waste management pvt ltd	31.	Ishitva Robotics System
16.	Vivifica Sustainable Solutions Private Limited	32.	Textiles Committee of India

33.	Council of Scientific & Industrial Research
34.	MSME-UNIDO
35.	NBCC

Japan Companies & Start Ups

1.	JFE Engineering Corporation
2.	Nippon Steel Engineering Co. Ltd.
3.	Kanadevia Corporation
4.	Kwansei Gakuin University (KGU) Biyani Group of Colleges (BGU)
5.	Daiki Axis
6.	HORIBA, Ltd.
7.	JAPAN PLATFORM for REDESIGN: SUSTAINABLE INFRASTRACTURE (JPRSI)
8.	BioSeeds Corp.

Self Help Groups

LakhyaJyoti SHG, Nagaon , Assam	Albeli Trishika Self Help Group, Kota, Rajasthan	Unnati Self Help Group, Solan, Himachal Pradesh
Rakshak SHG, Chandigarh	Punam SHG, Swadhar Gruh, Sambhalpur	Sri Roshak SHG, Vijaypura, Karnataka
Kala Shri Self Help Group, Jashpur, Chattisgarh	Pringprang SHG, Tura, Meghalaya	Zonu SHG, Champai, Mizoram
Parishram Sakhi Mandal & Satyam Sakhi Mandal, Vadodara, Gujarat	Aadhar City Livelihood Center, Bhandara, Maharashtra	Shri Annapurna Self Help Group , Khorlim Mapusa, Bardez
Ningthibi Ima, Imphal, Manipur	Dhani Self Help Group , Kharar, Punjab	Ankur SHG, Teliamura MC, Tripura

Special Exhibits

1. Government of Jammu & Kashmir
2. Government of Rajasthan
3. National Agricultural Cooperative Marketing Federation of India - NAFED
4. Tribal Cooperative Marketing Development Federation of India - TRIFED
5. Khadi India
6. ODOP Rajasthan Pavillion
7. Special Cultural Stalls
8. HUDCO
9. NBCC

Site Visits

Waste to Energy Plant & Sanitary Landfill Site at Langariyawas, Jaipur

The Waste to Energy (WTE) project in Jaipur is being managed by Jindal Urban Waste Management (Jaipur) Ltd. The total project cost is ₹182.17 crore. The project follows a Public-Private Partnership (PPP) model. Initially designed to process 600 TPD (tons per day) of waste, the contract has been amended to handle 1000 TPD, incorporating waste from both Heritage and Greater Jaipur. The power generation capacity of the plant is 12 MW.

The facility spans an area of 20 hectares, designated for both WTE operations and the Sanitary Landfill (SLF). The lease period for the land has been set at 30 years. A Power Purchase Agreement (PPA) has been executed between M/s JITF and JVVNL, with the tariff decided at ₹7.32 per unit.

Dehlawas STP: A Sustainable Future for Jaipur

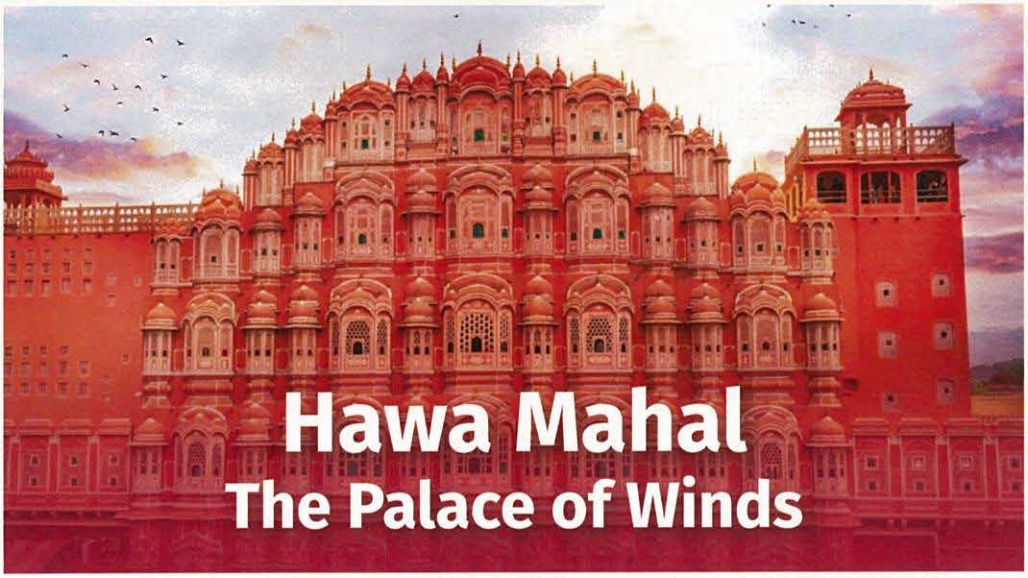
The Dehlawas Sewage Treatment Plant (STP) is designed to effectively treat wastewater and safely dispose of the treated effluent into the Dravyavati River. To enhance efficiency, the plant is equipped with a Supervisory Control and Data Acquisition (SCADA) system, ensuring complete automation of operations. Additionally, the Online Continuous Effluent Monitoring System (OCEMS) enables the Rajasthan State Pollution Control Board (RSPCB) to continuously monitor effluent parameters.

The facility also incorporates sustainable energy solutions. A 1.5 MW solar power plant generates an average of 6000 KWH of electricity per day, while a 1.2 MW biogas-based power generation unit produces around 11,000 KWH of electricity daily. The treated effluent water is supplied to the NRI colony for non-potable uses such as gardening. One of the unique aspects of this STP is its integration with curated landscaping. The premises feature dense greenery, water bodies, and walking trails, with flora effectively camouflaging the concrete structures. The total capital expenditure for the project is ₹278.78 crore, including ₹229.50 crore for infrastructure and ₹49.28 crore for operations and maintenance over 10 years. The project is expected to be completed within 2.5 years (30 months) and spans a total area of 23.5 hectares.

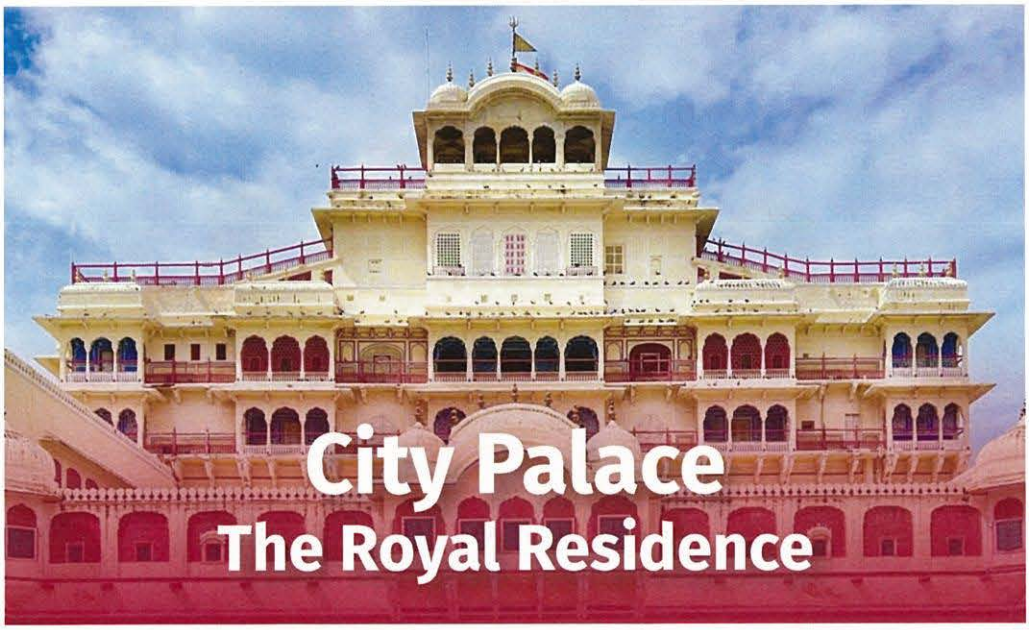
Experience the Rich Culture of Rajasthan

Welcome to Heritage Pink City

"12th Regional 3R and Circular Economy Forum in Asia and the Pacific"



Built in 1799 by Maharaja Sawai Pratap Singh, Hawa Mahal is a stunning five-story palace featuring 953 small windows (jharokhas). Designed in the shape of Lord Krishna's crown, it allowed royal women to observe street festivals without being seen. Made of red and pink sandstone, it stands as an iconic symbol of Jaipur's royal heritage.

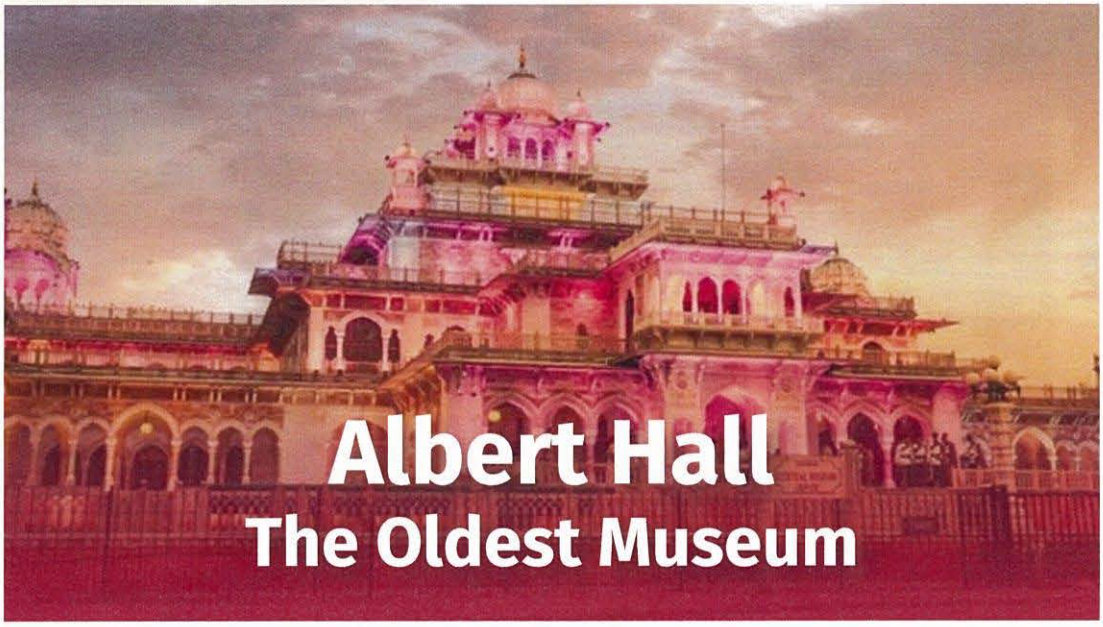


Constructed in the early 18th century by Maharaja Sawai Jai Singh II, City Palace is an architectural blend of Mughal and Rajasthani styles. The palace houses museums showcasing royal artifacts, textiles, and weapons. Part of the palace, including Chandra Mahal, is still used by the Jaipur royal family.

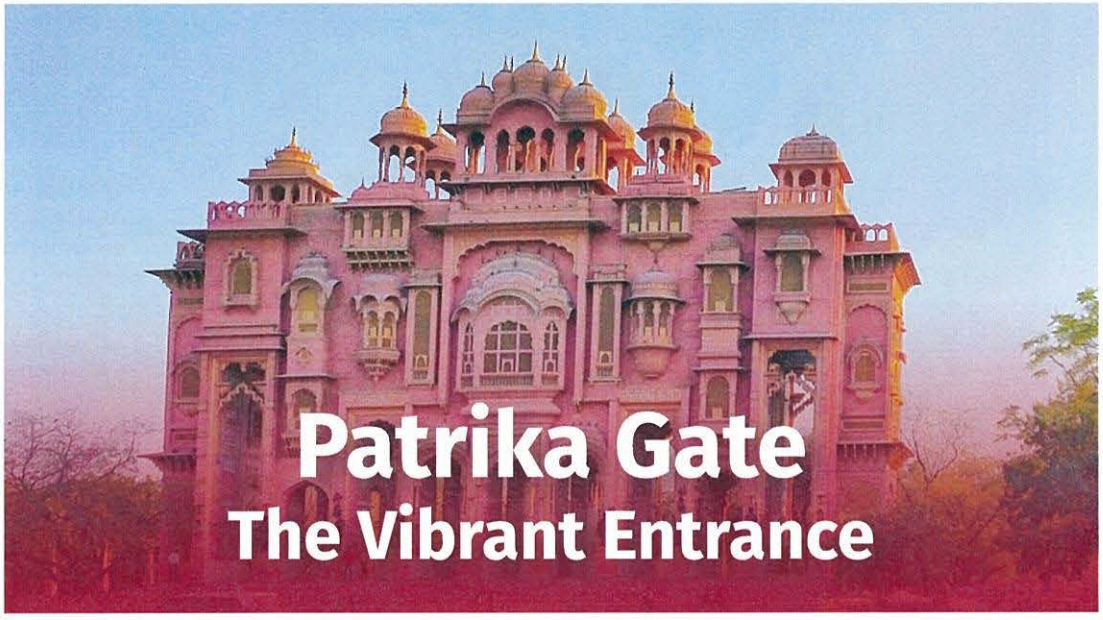
Experience the Rich Culture of Rajasthan

Welcome to Heritage Pink City

"12th Regional 3R and Circular Economy Forum in Asia and the Pacific"



Built in 1876 to welcome King Edward VII, Albert Hall is Jaipur's oldest museum. Designed by Sir Samuel Swinton Jacob in Indo-Saracenic style, it displays a vast collection of artifacts, including paintings, carpets, and sculptures, reflecting Rajasthan's rich cultural heritage.



A modern addition to Jaipur's landmarks, Patrika Gate was built in 2016 at Jawahar Circle Garden. Known for its vibrant, hand-painted murals depicting Rajasthani culture, it is a popular spot for photography and symbolizes the fusion of traditional and contemporary art.

Site Visit Schedule

Minute to Minute Programme

Team A

Date : 04.03.2025	
Time	**Route**
14:00	Departure from RIC
14:30	City Palace via Tripoliya Gate (Arrival)
14:30 – 15:30	City Palace Visit
15:30	Departure from City Palace
15:35	Hawa Mahal (Arrival)
15:35 – 16:00	Hawa Mahal Visit
16:00	Departure from Hawa Mahal
16:45	Waste to Energy Plant Langadiyawas (Arrival)
16:45 – 17:45	Waste to Energy Plant Visit
17:45	Departure from Waste to Energy Plant Langadiyawas
18:30	Masal Chowk Ramniwas Bagh (Arrival)

Minute to Minute Programme

Team B

Date : 04.03.2025

Time	Route
14:00	Departure from RIC
14:45	Waste to Energy Plant Langadiyawas (Arrival)
14:45 – 15:45	Waste to Energy Plant Visit
15:45	Departure from Waste to Energy Plant Langadiyawas
16:30	Hawa Mahal (Arrival)
16:30 – 17:00	Hawa Mahal Visit
17:00	Departure from Hawa Mahal
17:10	City Palace (Arrival)
17:10 – 18:00	City Palace Visit
18:00	Departure from City Palace
18:30 PM	Masal Chowk Ramniwas Bagh (Arrival)

Minute to Minute Programme

Team C

Date : 04.03.2025

Time	Route
14:00	Departure from RIC
14:30	Hawa Mahal (Arrival)
14:30 – 15:20	Hawa Mahal Visit
15:20	Departure from Hawa Mahal
16:00	STP Plant Dehlawas (Arrival)
16:00 – 16:45	STP Plant Visit
16:45	Departure from STP Plant Dehlawas
17:30	Albert Hall (Arrival)
17:30 – 18:00	Albert Hall Visit
18:00	Departure from Albert Hall
18:05	Masal Chowk Ramniwas Bagh (Arrival)

Team D

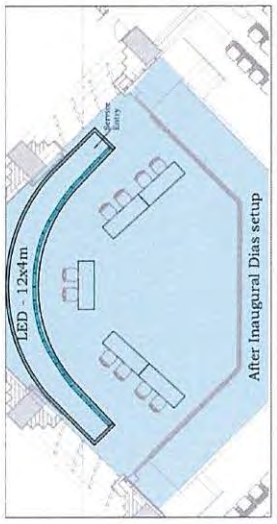
Date : 04.03.2025

Time	Route
14:00	Departure from RIC
14:30	Albert Hall (Arrival)
14:30 – 15:25	Albert Hall Visit
15:25	Departure from Albert Hall
15:40	City Palace (Arrival)
15:40 – 16:10	City Palace Visit
16:10	Departure from City Palace
16:50	STP Plant Dehlawas (Arrival)
16:50 – 17:50	STP Plant Dehlawas Visit
17:50	Departure from STP Plant Dehlawas
18:30	Masal Chowk Ramniwas Bagh (Arrival)

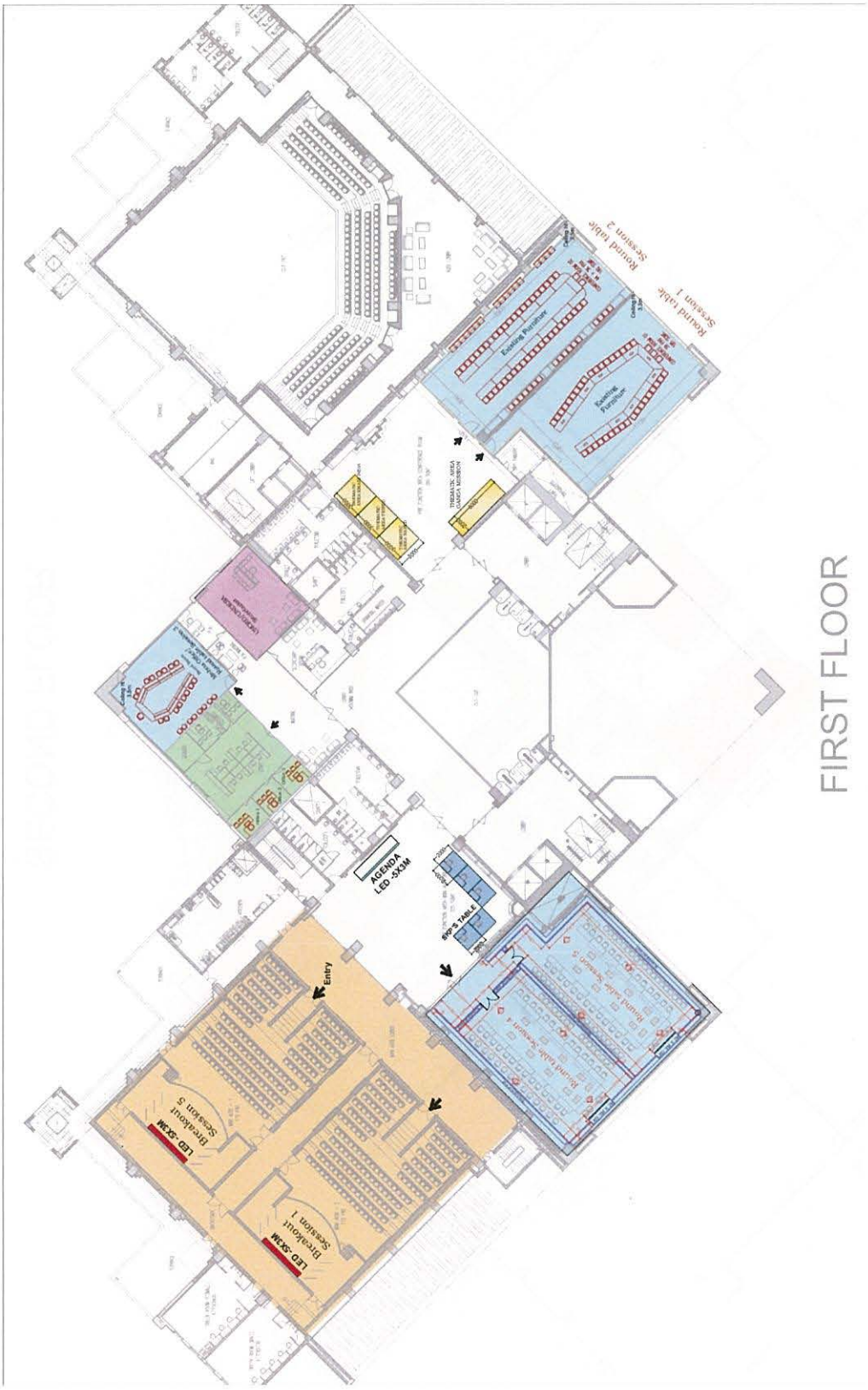
Rajasthan International Center, Lower Ground Floor

LOWER GROUND FLOOR

Rajasthan International Center, Ground Floor



Rajasthan International Center, First Floor

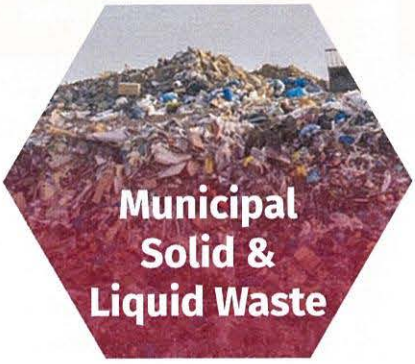


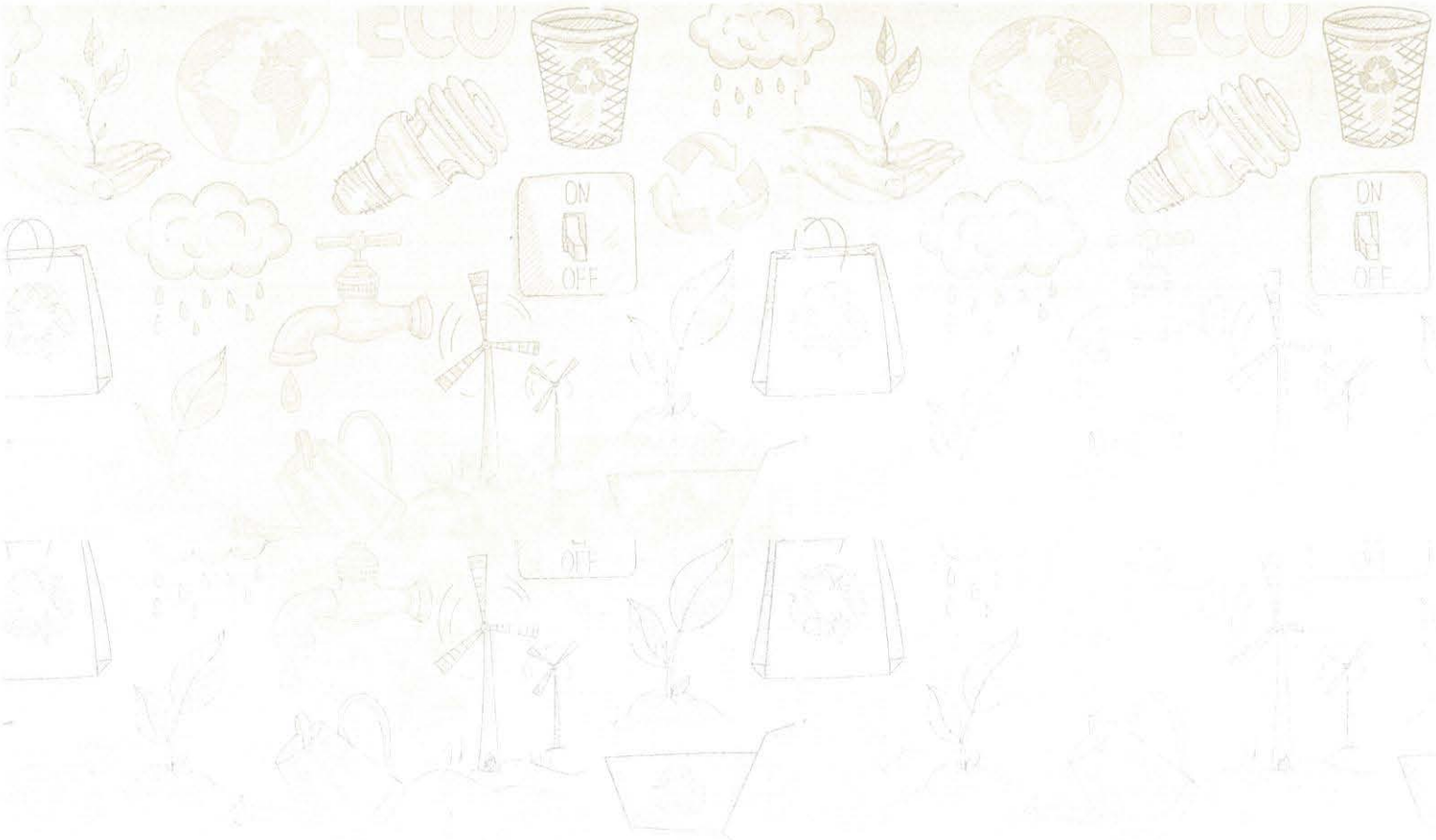
Rajasthan International Center, Second Floor

SECOND FLOOR

Accelerating and Achieving Sustainable Development Goals

11 Priority Sectors of India in Circular Economy





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