



GLOBAL CONCLAVE ON PLASTIC RECYCLING AND SUSTAINABILITY

Exhibition Report

**Date of the Exhibition- 4th July to 7th July
India's 1st Plastic Recycling & Sustainability Show**

Introduction

The report aims to summarize the Global Conclave on Plastic Recycling and Sustainability (GCPRS) 2024, covering the inauguration, exhibition, side events, feedback from exhibitors, visitors, and other key activities held from July 4th to 7th at Pragati Maidan, New Delhi.

The Global Conclave on Plastic Recycling and Sustainability (GCPRS) held immense importance for businesses involved in recycling, shaping industry standards and promoting innovation. By fostering collaboration and showcasing cutting-edge technologies, GCPRS not only enhanced operational efficiencies but also boosted market competitiveness. Moreover, the conclave's focus on sustainability aligned businesses with global environmental goals, reducing their ecological footprint and enhancing corporate responsibility. Ultimately, GCPRS contributed significantly for advancement of recycling practices, mitigating plastic waste pollution, and preserving natural

GCPRS, held from 4th to 7th July 2024, established itself as a pioneering event in India's efforts towards sustainable plastic management. Co-organized by AIPMA and CPMA, GCPRS brought together industry leaders, innovators, and policymakers to address critical challenges and showcase advancements in plastic recycling technologies. The event was attended by over 275 exhibitors and 25,000+ business visitors.

The event's inauguration, graced by Ms. Nivedita Shukla Verma, IAS, Secretary, Department of Chemicals and Petro-chemicals, Ministry of Chemicals and Fertilizers, Government of India, as chief guest and other distinguished guests, underscored the importance of collaborative efforts in promoting environmental stewardship within the plastics industry.

The highlights of the conclave include the unveiling of the "Plastic Experience Centre," which showcased why plastic is an inseparable part of humans life, innovative solutions and technologies in the plastic waste management industry, and insightful sessions like the CEO Roundtable and

Sustainability Forum, which emphasized the transition to a circular economy and explored regulatory frameworks for sustainable plastic management.

GCPRS received commendation for its role in fostering knowledge exchange, promoting industry best practices, and setting a precedent for future initiatives aimed at achieving sustainable development goals in the plastics sector.

DAY 1 – 4th July 2024

A. Inaugural Function

The inaugural function was honoured by the presence of officials from the Ministry of Chemicals & Fertilizers, the Ministry of Micro, Small & Medium Enterprises, and various industry leaders. More than 25 key officials from the Department of Chemicals and Petrochemicals, Ministry of Chemicals and Fertilizers, attended the event, including the following prominent government officials and industry leaders:

- **Chief Guest: Ms. Nivedita Shukla Verma, IAS**, Secretary, Department of Chemicals and Petrochemicals, Ministry of Chemicals and Fertilizers, Government of India
- **Special Invitee: Ms. Mercy EPao**, Joint secretary, Ministry of Micro, Small and Medium Enterprises, Government of India
- **Other Key Guests:**
 - **Shri Deepak Mishra**, Joint Secretary, DCPC
 - **Shri Deepankar Aron**, Joint Secretary, DCPC
 - **Shri Shishir Sinha**, DG, CIPET
 - **Shri Manish Dedhia**, President, AIPMA
 - **Shri Kamal Nanavaty**, President, CPMA
 - **Shri Arvind Mehta**, Chairman, AIPMA governing council
 - **Shri Hiten Bheda**, Chairman, GCPRS 2024 and
 - **Shri Ravish Kamath**, President, Plastindia Foundation

Lamp Lightening Ceremony

The inaugural function commenced with the lamp lightening ceremony signifying the pursuit of knowledge and enlightenment in the realm of plastic recycling and sustainability.





Inauguration function – Address by chief guest and other dignitaries

1. **Ms. Nivedita Shukla Verma** commended the efforts of AIPMA and CPMA for organizing a conclave on plastic recycling and sustainability. She remarked, "Be that as it may, and despite transforming from a material of wonder to a victim of its own success, the plastic industry remains one of the leading contributors to the economy, benefiting millions globally."



2. **Ms. Mercy Epao** expressed the Ministry of MSME's support for this cause, highlighting that a large number of enterprises in the plastic industry fall under their department. She mentioned that, with the vision of doubling exports and as part of their hundred days' program, the ministry has decided to set up a state-of-the-art export centre in Hyderabad. She urged stakeholders to take advantage of the benefits extended by the ministry and added that many more technology centres are underway.



After Ms. Mercy Epao's address, other distinguished guests, including Shri Manish Dedhia, Shri Kamal Nanavaty, Shri Arvind Mehta, Shri Hiten Bheda, and Mr. Ravish Kamath, addressed the audience. They emphasized that plastic recycling is a rapidly growing industry and highlighted how GCPRS will drive business and future growth in the sector. They also stressed the importance of plastic circularity in reducing environmental impact and fostering a circular economy, encouraging collaboration and innovation to achieve these goals.

Inauguration of the “Plastic Experience Centre” By Ms. Nivedita Shukla Verma



The Plastic Experience Centre was the highlight of the entire conclave. It vividly showcased the history of plastic and demonstrated its crucial role in our daily lives. The centre presented various scenarios where plastic products are indispensable. It also illustrated how industries such as automotive, pharmaceuticals, and electronics rely heavily on plastic for their growth and development.



B. CEO Roundtable Discussion

The discussion, attended by over 200 industry leaders under the chairmanship of Shri Deepak Mishra, Joint Secretary of the Department of Chemicals and Petrochemicals, Ministry of Chemicals and Fertilizers, emphasized the critical importance of transitioning to a circular economy for plastics. The discussion was centred on the regulation in the plastic industry and its future. It highlighted the need for innovation in recyclable materials and the reduction of single-use plastics to achieve sustainability goals. The discussion called for collaborative efforts in establishing clear regulations and promoting environmentally responsible practices to ensure a greener future.





Day 2 – 5th July 2024

A. Key Visitors:

The day two started on an encouraging note with the visit of following officials:



1. Ms. Divya Sinha, Director, Central Pollution Control Board (CPCB)
2. Shri Binay Kumar Jha, Director, Swachh Bharat Mission, Ministry of Housing and Urban Affairs
3. Shri Prashant Banarjee from SIAM

B. Sustainability forum

The Sustainability Forum, inaugurated on the second day of the Global Conclave of Plastic Recycling and Sustainability (GCPRS) on July 5, 2024, aimed to provide companies with a platform to share their sustainability measures and waste management ideas. This facilitated interactive sessions for exchanging knowledge and practices, fostering collaboration and innovation in the recycling industry.

The forum showcased the latest advancements in recycling technologies and provided insights into regulatory frameworks and industry standards. Key topics discussed included the resolution on the United Nations Environment Assembly, the INC process, and the development of an international legally binding instrument on plastic pollution. Emphasizing the importance of Extended Producer Responsibility (EPR) in managing plastic waste, the forum also explored advanced machinery for recycling plastics and differences in sorting technology between domestic and international

contexts. Additionally, it covered washing line technologies from Europe and Asia, as well as international advancements in extruder technology and design engineering.

Day 3 – 6th July 2024

Key Visitors:

Delegation of Ministry of Housing and Urban Affairs attended GCPRS exhibition. And Mr Satyedra, Director and Mr Amit love, Scientist from Ministry of Environment Forest and Climate Change visited the exhibition.

Continuation of Sustainability forum

- 1. Mechanical Recycling of rPO and rPET:**
Mechanical recycling turns polyolefins (rPO) and polyethylene terephthalate (rPET) plastics into new materials by melting and reshaping them. It reduces waste but faces challenges like contamination and quality issues.
- 2. Chemical Recycling and Emerging Landscape:**
Chemical recycling breaks down plastics into basic components for creating new materials. It offers potential solutions for mixed or contaminated plastics but requires technological advancements for scalability and cost-effectiveness.
- 3. Recycling Perspective:**
Recycling aims to create a circular economy where plastics are reused and recycled to minimize waste and environmental impact. It requires better infrastructure, consumer education, and industry collaboration to achieve high recycling rates.
- 4. Engineering Plastics - Recycling Opportunities:**
Recycling high-performance plastics like nylon and polycarbonate reduces waste and environmental footprint in industries such as automotive and electronics. Adhering to ESG principles ensures responsible recycling practices.
- 5. Environmental Social and Governance (ESG):**
ESG principles guide companies in adopting sustainable practices, including responsible plastic recycling, to enhance their reputation and meet stakeholder expectations.
- 6. Brand Expectation:**
Consumers expect brands to prioritize eco-friendly practices and transparency in plastic recycling to build trust and loyalty.
- 7. rPET Quality and Pricing:**
Quality rPET meets industry standards for cleanliness and performance, influencing pricing based on market demand and recycling efficiencies.



and

8. rPO Quality and Pricing:

rPO's quality and pricing are affected by contamination and processing methods, influencing its competitiveness in the recycled plastics market.

9. Raw Material Pricing:

Fluctuations in raw material prices impact the economics of plastic recycling, influencing costs and market competitiveness.

10. Role of Digitization and AI:

Digitization and AI optimize plastic recycling processes by improving sorting accuracy, efficiency, and supply chain management.

11. PCR Testing, rPET, ISCC Certification, USFDA, EFSA, and FSSAI:

Certification ensures the safety and sustainability of recycled plastics for food-contact applications, meeting global standards and regulatory compliance.

12. Relevance of Quality in International Trade:

Maintaining high-quality standards in recycled plastics supports global trade competitiveness and promotes sustainable supply chains.

Conclusion:

The Sustainability Forum was an interactive session filled with valuable knowledge and best practices shared by industry experts. It was a highly informative and interactive event, bringing together industry experts to discuss advancements in recycling technologies and sustainability practices. Key topics included mechanical and chemical recycling, regulatory standards, and brand expectations. Participants gained valuable insights into the latest machinery, innovative solutions, and the importance of maintaining high quality in recycled products

Day 4, (7th July 2024)

During the fourth day of the Global Conclave on Plastic Recycling and Sustainability (GCPRS), exhibitors were invited to provide feedback regarding their experience at the exhibition. Through video testimonials, exhibitors expressed positive responses and satisfaction with their participation in the event. They highlighted the opportunities for networking, knowledge exchange, and showcasing their innovations in plastic recycling technologies and sustainable practices.

Exhibitors appreciated the well-organized structure of GCPRS, emphasizing its effectiveness in bringing together industry leaders, researchers, and policymakers to discuss critical issues and solutions in plastic recycling. They noted that the exhibition provided a platform to engage with a diverse audience and explore potential collaborations to further advancements in sustainable plastic waste management.

Overall, exhibitors conveyed their enthusiasm for future editions of GCPRS, underscoring their intention to continue participating in this premier event dedicated to promoting environmental stewardship and innovation in the recycling sector. Their positive feedback reinforces GCPRS's role as a pivotal platform for driving meaningful progress towards a circular economy and sustainable future.

PLASTIC AMONG TOP CONTRIBUTORS TO ECONOMY: GOVT

PLASTIC INDUSTRY IS one of the leading contributors to the economy and provides a lot of employment opportunities, chemicals & petrochemicals secretary Nivedita Shukla Verma said on Thursday. She inaugurated a four-day Global Conclave on Plastic Recycling and Sustainability.



Visual from Global Conclave on Plastic Recycling and Sustainability. (Photo: @PibMinistry)

Delhi: Global conclave on plastic recycling and sustainability begins at Bharat Mandapam

ANI | Updated: Jul 04, 2024 22:51 IST

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...सहजें तो नुकसानदायक नहीं है प्लास्टिक

दीप्ती कृष्ण • आशा

दिल्ली: प्लास्टिक एक अर्थव्यवस्था के प्रमुख योगदानकर्ता है। यह नुकसानदायक नहीं है, बल्कि एक सतत विकास के लिए आवश्यक है।



हर दिन निरक्षरता है 1,100 टन से ज्यादा प्लास्टिक कचरा उत्पन्न होता है। यह प्लास्टिक कचरे को प्रबंधित करने में मदद करता है।

भारत में प्लास्टिक रिसाइक्लिंग का विकास... भारत में प्लास्टिक रिसाइक्लिंग का विकास तेजी से हो रहा है। यह एक सतत विकास के लिए आवश्यक है।

प्लास्टिक को जलाने से परहेज... प्लास्टिक को जलाने से परहेज करना चाहिए। यह वातावरण को प्रदूषित करता है।

ग्लोबल प्लास्टिक उद्योग एक प्रमुख नियोजता एवं अर्थव्यवस्था में योगदानकर्ता है: निवेदिता

नई दिल्ली। केन्द्रीय रसायन एवं उर्वरक मंत्रालय के रसायन एवं पेट्रोकेमिकल विभाग की सचिव निवेदिता शुकला वर्मा ने इस बात पर प्रकाश डाला कि प्लास्टिक रीसाइक्लिंग प्लास्टिक कचरे को कम करने और एक चक्रवर्ती अर्थव्यवस्था को बढ़ावा देने के लिए एक महत्वपूर्ण समाधान प्रदान करता है।

Mobile news snippet from bhaskarlive.in/glc. Title: Global conclave on plastic recycling kicks off in Delhi. Includes image of the event and social media links.

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उपस्थित थे। केन्द्रीय सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय की संयुक्त सचिव मंजी एमओ ने भी इस उद्देश्य के लिए एमएसएमडी मंत्रालय का समर्थन व्यक्त किया।

रिसाइक्लिंग टेक्नोलॉजी पर प्रदर्शनी का आयोजन किया गया। कॉन्क्लेव एवं प्रदर्शनी में रसायन विभाग से प्लास्टिक इंडस्ट्री से जुड़े उद्योगों और विभागों ने भाग लिया।

प्रबंधन एक वैश्विक मुद्दा है और इसके समाधान के लिए सभी मूल्य श्रृंखला प्रतिभागियों और सरकार के बीच सहयोग आवश्यक है।

है। हमारे संस्थान की स्थापना प्लास्टिक विनिर्माण क्षेत्र की असाधारण जनशक्ति और कोशल उन्नयन प्रदान करने के लिए की गई थी, और यह बेहद गर्व की बात है कि हमने यह हासिल कर लिया है।

