



# MRAI 10<sup>TH</sup> INTERNATIONAL MATERIAL RECYCLING CONFERENCE

(2) 3 & 4 FEBRUARY 2023, HOTEL GRAND HYATT, KOCHI, INDIA



**UNLOCKING OF THE RECYCLING REVOLUTION**



**POST CONFERENCE REPORT**





## MATERIAL RECYCLING ASSOCIATION OF INDIA

Voice of the Indian Recycling Industry

### ABOUT US

- ✓ Represents recycling industry in its entirety
- ✓ Membership of over 1400 stakeholders
- ✓ Collective strength of over 20,000 MSMEs
- ✓ Employs 25 lakh directly & indirectly
- ✓ Liaising network with Govt. of India and other regulatory authorities to facilitate industry growth
- ✓ Close association with national and international associations like ISRI, BIR, BMR, CMRA, EuRIC, BMRA, etc.
- ✓ Regularly conducts awareness programmes and conferences



### VISION

- ✓ To represent the Recycling Industry to Government and to address and resolve issues
- ✓ To promote all types of Recycling within India
- ✓ To obtain official Industry status for the Recycling Industry in India
- ✓ To promote and spread awareness regarding Recycling in India
- ✓ To promote Recycling as curriculum in educational institutions
- ✓ To set up Circular Economy Parks in the country
- ✓ To help promote R & D and technological upgradation of domestic Recycling Industries
- ✓ Establish dedicated Government Department to look after Circular Economy initiatives
- ✓ To promote minimum recycling content in finish products



**MR. SANJAY MEHTA**  
President, MRAI

**O**ur progress would not have been possible without the active support of Government of India, who have worked with us to address our Industry's various issues from time to time, and helped us to contribute towards nation building. We will keep working hard in this direction and we definitely request their valued guidance as always.

We all are fortunate that our country is rapidly progressing with many reformative policies and programmes initiated for all-round social & economic development under the able leadership of Hon'ble Prime Minister Narendra Modi ji. I would say that it is the golden era of India under the current Modi Government with excellent support provided to our Industry by the Ministry of Steel.

India is the fastest growing large economy in the world. I can say India is going to consume more & more materials and manufacturing activities are going to increase. I believe that in the future, India will become the export hub for the world.





**SHRI JYOTIRADITYA SCINDIA**  
Union Minister of Civil Aviation and Steel

**Y**ou are an industry that contributes not only to sustainability, not only to greening, not only to the India of today, you are also an industry that contributes to future generations. It is a fact that the recycling industry contributes almost Rs 10,000 crores to GST today and in the years to come it will contribute almost Rs 35,000 crores.

I believe that you are a sector that needs to be encouraged, that needs to be pushed forward. I stand shoulder to shoulder with you in order to achieve your objectives in the years to come.

I would like to commit that we target 15% of scrap usage by the primary steel sector alone which will be increased to almost 25% in the next five years.

With the vision of 2047 the percentage of scrap usage for production of steel should go up to 50% and the remaining 50% will come from the iron ore route.

In our Amrit kaal I would implore you certainly to bring those initiatives to me. My job is to be a facilitator. My job is to ensure your success. Because in your success lies not only the success of the Government, not only the success of Bharat Mata but also the success of the world.



**SHRI NITIN GADKARI**  
Union Minister of Road Transport and Highways

In the metal sector, we have a lot of shortages of copper, aluminium and steel. This is the time that we should encourage recycling of materials. It is a very important aspect by which we could reduce the cost of the materials and finished products. It would also help India to export more. That is the reason why the Government is propagating the policy for vehicle scrapping. It has taken a decision to scrap Government vehicles. It is a very important and historical decision for the country. At the same time, we plan to open scrapping units in every district of the country.

I also appeal to the automobile manufacturers and industry giants that they make joint venture collaborations and start scrapping units in different parts of the country. Today, I feel there is a huge potential for it and for that reason I request people like you to start scrapping units. It is a great opportunity.

'Waste to Wealth' is a philosophy that is accepted by the Government. If we can import waste tyre, plastic waste, scrap cars, automobiles, etc., we can work on value addition here in this country. We are also trying to give the Industry maximum benefits.





## **DR. HARSHADEEP KAMBLE (IAS)**

Principal Secretary – Industry & Mines, Maharashtra State Government

**T**he kind of transition from linear to circular economy that we are looking at currently is very important when we talk about India and about the vision of our honourable Prime Minister that we have to be No 1, the largest economy of the world in the coming years.

I personally feel that in India's march towards the third largest economy and then towards the largest economy of the world, circular economy will have a major role to play.

In circular economy we are talking about use, recycle and reuse. It is the way to what our PM has called 'Waste to Wealth'.

If you look at the transition throughout the world from the linear to the circular economy, it will result in an annual addition of approximately \$4.5 trillion to the world economy.

At the same time, India stands to generate a value of \$200 billion annually by 2030 and may be about \$600 billion by 2050. The amount of investment that it could bring in, the number of employment that it could generate and the savings that all these efforts would contribute while achieving our net zero goal by 2070 are immeasurable.



**MS. RUCHIKA CHAUDHARY GOVIL**  
Additional Secretary, Ministry of Steel



**W**hile we have drafted the Steel Scrap Policy we have set out a goal and a role for the secondary steel sector to produce at least 35% of steel from the secondary sector. Today, the onus cast on the secondary sector is even more onerous because it is expected to meet the demand, the wish list of the country as one of the green steel producers of the world.

MRAI, as it stands today, is in a position to meet the various challenges faced by the sector. It has the capability to export steel to even countries that are sensitive to carbon emission.

If the scrap production is to increase from its current level of 25 million tonnes to 70 million tonnes as estimated, it is a target that can be attained and it is worth working for, given the kind of engagement that MRAI is currently showing.

If we can achieve that I think the secondary sector will be well positioned and be satisfied with the availability of feedstock of scrap to meet green steel requirements.





**MR. DHAWAL SHAH**  
Sr. VP, MRAI

**M**etal scrap consumption of growth today needs to have an ethical, moral endorsement. Transition towards EAFs, using scrap as their main input. Similarly traditional primary producers are pushing new frontiers in optimizing scrap usage in their end products.

We at MRAI have been demanding that we must have a minimum usage threshold of recycled content in product design, and manufacturing of metals whether steel or non-ferrous, without compromising on quality requirements of output.

Companies recycle scrap & have purity as high as 99.995% in their products. So what is stopping us? Primary production using mining resources is being phased out world over.

Out of 4.5 million tonnes of Primary Aluminium output in the US is less than a million tonnes, same is the story in Europe. So with every country is wanting to fast track their sustainability and decarbonisation goals. Pushing higher usage of recycled content in product design, production and application shows that they are walking the talk."



**MR. ZAIN NATHANI**  
VP, MRAI



**T**he Govt of India has set targets for steel capacity/production to be achieved by 2030 and 2047 along with net carbon emission targets to be achieved by 2070. If we have to achieve these targets, then the recycling industry is going to play a vital role.

Domestic scrap generation needs to be promoted, the Vehicle Scrapage policy must get the buy in of ALL stakeholders to make it a success and duty free import of ferrous scrap must continue to fill any shortfall in domestic availability of scrap.

We have become a consumption-based economy that also comes with a lot of wastages. Therefore we need to prioritise EPR in certain commodities like lastics, tyre, E waste etc.

Further we need to promote finished products made from recyclable materials. State governments should focus on setting up recycling zones to promote a circular economy and the Ministry must encourage Induction and Arc furnaces to increase capacity though the scrap route.”



**AMAR SINGH**  
Secretary General, MRAI

I am immensely proud to write to you. This is by far the largest and the biggest conference that MRAI has organised in its short history of nearly 12 years.

With over 1800 delegates from India and abroad, about 400 foreign participants from across 37 countries, the event registered a new milestone as a conference. Even at the expo, we had the record number of 79 booths, dominated by technology and machinery makers.

Set against the scenic beauty of the Bolgatty , Kochi, the 10th IMRC had many attractions that engaged the delegates. Perhaps the most cherished among them was the quality of content and sessional discourses.

Let me use this opportunity to thank Shri Nitin Gadkariji, Shri Jyotiraditya Scindiaji, Dr Harshadeep Kambleji and Ms Ruchika Govilji and all other Government Dignitaries, Heads of National and International Associations, Speakers, Diamond Sponsors and Delegates for making our conference a super success.

MRAI assure you to do our best for the Recycling Industry and work along with the vision of our Honourable Prime Minister Shri Narendra Modi Ji to achieve Circular and Sustainable India.



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# SESSION ON PLASTIC RECYCLING

## EMINENT SPEAKERS

- **DR SATYENDRA KUMAR,**  
Director - HSM, MoEF&CC
- **SHIVAM DWIVEDI,**  
Member Secretary – PCD12, BIS
- **RAJEEV DWIVEDI,**  
Member- BIS & Sr Director,  
Lohia Group
- **EMMANUEL KATRAKIS,**  
Secretary General, EuRIC
- **SUNIL BAGARIA,**  
President, GDB Int'l, Inc.
- **SHOBHA RAGHAVAN,**  
COO, Saahas Zero Waste
- **ROHIT KUMAR SINGH,**  
Recykal
- **SUMITHRA NAIR,**  
Regional Head, Baniyan Nation
- **VIVEK,**  
Technical Expert, GIZ
- **PRABHJOT SODHI,**  
Director, MRAI & Sr Director, CEE
- **ULHAS PARLIKAR,**  
Director, MRAI & Global  
Consultant – Waste Management

The 10th IMRC kicked off to a great start with a fully-packed session on plastic recycling which addressed the very important topic of EPR Policy & BIS Standards



## TAKEAWAYS

- ➔ RECYCLING WILL ASSIST US IN ACHIEVING CIRCULARITY.
- ➔ NEED FOR INCENTIVES TO ENCOURAGE RECYCLED PRODUCTS AND ALTERNATIVES IN THE USE
- ➔ NEED TO IMPLEMENT THE GUIDELINES
- ➔ MAKE EPR FRAMEWORK CONSIDER ENVIRONMENT AND LIFE CYCLE IMPACT OF PRODUCTS OR RECYCLABILITY OF THE MATERIALS USED

**A**fter his opening remarks Mr Parlikar threw the stage open to Dr Kumar of MoEF&CC to deliver the keynote address. Mr Bagaria's special address, full of his great work and experience from USA, did help to build the tempo.

"We need to delink the prices of recycled plastic from virgin prices so only there will be a sustainable future for the recycling industry," said Mr Bagaria. "It's good that many legislations in India are currently being implemented," he said while praising the country as the leading nation globally on the implementation of EPR policy.

The 2 panel discussions, Plastic Waste Supply Chain Role in EPR Framework and BIS Standards & Global Guidelines for Plastic Recycling Waste Material, respectively, by eminent speakers helped to engage the audience.

"This scheme of things is so attractive to everyone that you can go in and just create a system for yourself and general revenue. That's why this EPR mechanism is a market-based mechanism," informed Dr Kumar.

Plastic recycling will assist India in achieving circularity was the one takeaway that session has delivered home without doubt. ■

# SESSION ON TYRE AND RUBBER RECYCLING

It was rather for the first time in the history of Indian Recycling that a session dedicated to tyre and rubber recycling was so exhaustive in its deliberations

The second session of the first day (2 February 2023) programme on “Policy framework & technological advancement in tyre recycling” saw industry experts deliberating on issues that are dear to them.

Aptly moderated by Mr Sodhi, the panel discussed subjects as varied as Circularity, EPR Compliance & Standards.

They dissected how EPR is going to be more productive in resource optimization and promoting circular economy. The session also looked at the kind of investment system and thought process for ecosystem development.

The role of various stakeholders was also a focal area during the debate. It was concluded that once EPR is operationalised we can map it for carbon credit market.

“The EPR will make the whole ecosystem of waste tyres organised,” it was argued.

Most importantly, it was expressed that EPR will help bring additional income for recyclers which they can leverage to upgrade technology to make more value-added products.

A second panel discussion that followed addressed advancements in tyre, rubber, RCB and pyrolysis to achieve zero emission.

Sharing their thoughts were industry experts from carbon black market, tyre manufacturing, academia and technology. It helped to throw light on new and emerging areas of the sector.

The session helped to underlined the need for research to address circularity issues of the industry.



## EMINENT SPEAKERS

- **GAURAV SEKHRI**, MD, Tinna Rubber & Infrastructure Ltd.
- **KUSH GIRAMKAR**, VP & COO, GRP ITD
- **MS. BHARATI CHATURVEDI**, Founder & Director, Chintan Environment
- **MARTIN VON WOLFERSDORFF**, Carbon Black Expert
- **SUJITH NAIR**, VP, Materials, CEAT Limited
- **B. KRISHNA PRAPOORNA**, Asso. Professor, IIT Tirupati
- **DHAVAL DAMANI**, GM, Fornnax Technology Pvt. Ltd.
- **PRABHJOT SODHI**, Director, MRAI & Sr. Director, CEE
- **ULHAS PARLIKAR**, Director, MRAI & Global Consultant – Waste Management



## TAKEAWAYS

- ➔ THERE IS NEED TO DO PROPER RESEARCH TO MAKE DIFFERENT TYPES OF TYRES CIRCULAR IN NATURE.
- ➔ THERE IS TECHNOLOGY FOR C&D WASTE AVAILABLE BUT IT NEED MARKET PUSH.
- ➔ ONCE EPR IS OPERATIONALISED WE CAN MAP CARBON CREDIT TO IT
- ➔ THE EPR WILL MAKE THE WHOLE ECOSYSTEM OF WASTE TYRES ORGANISED

## EMINENT SPEAKERS

- **VED PRAKASH MISHRA,**  
Director – HSM, MoEF&CC
- **DR. SANDEEP CHATTERJEE,**  
Scientist F, MeitY
- **B K SONI,**  
Director, MRAI & MD, Ecoreco
- **MR. ALN RAO,**  
Director, MRAI, & CEO,  
Exigo Recycling Pvt. Ltd.
- **SHEELA A M,**  
Member Secretary, KSPCB
- **UJWALA KARLE,**  
Asst Director, ARAI
- **JOHN LINGELBACH,**  
Sr Advisor Global Impact, SERI
- **ANAND DEEP GUPTA,**  
Joint Director, NABCB
- **KESHAV BHOOTDA,**  
Founder & Director, Climeto
- **RAJA JANARTHANAN,**  
Director, Recykal
- **VINAYAK BAJORIA,**  
Sales Manager,  
Umicore India Pvt. Limited
- **BINEESHA P, ADVISOR,**  
MRAI & ED, IIWM
- **DR SATYENDRA KUMAR,**  
Director - HSM, MoEF & CC
- **VIJAY YADAV,**  
Scientist F, CPCB
- **NAVEEN SHARMA,**  
Director, MRAI & ED, Gravita
- **ASHISH BANSAL,**  
Director, MRAI, MD, POCL
- **AMRENDRA KUMAR,**  
Director, Re Sustainability Ltd.
- **INOUGUGURU,**  
Sales Manager, ECO-SYSTEM  
Japan Co. Ltd.

# SESSION ON E-WASTE RECYCLING

The second session of Day 1 of IMRC on 2 February, 2023, on E-waste and Battery Recycling was well-received by the audience for the quality of content

The enthusiastic assembly of stakeholders at the session has indicated the growing interest in the country towards e-waste recycling and related activities.

Moderated by ALN Rao, the sessions found great traction with Mr Mishra delivering the keynote address on E- Waste Management Rules 2022. It was followed by a special address by Mr Kumar of CPCB. The virtual participation of the two was followed by an “Update on E-Waste Management Rules 2022” by an eminent panel comprising Dr Chatterjee, Mr Soni and Ms. Sheela. Dr Chatterjee said: “We should promote the type of EPR certificates that it could be seamlessly monitored by the CPCB.”

Mr Bajoria of Umicore said that the Central and State Pollution Boards should work together

on monitoring the e-waste movements from state to state – emphasizing traceability of materials.

Another panel discussion that followed saw expositions on the “Importance of Global Standards for E-Waste Recyclers” by Ms Karle, Mr. Lingelbach and Mr. Gupta.

The stakeholders were later introduced to ‘Circular Economy and Carbon Credit Trading’ and emerging opportunities in battery recycling in the context of circular economy. ■



## TAKEAWAYS

- ➔ DEVELOP A ‘NATIONAL DATABASE’ WHICH INCLUDES FORMAL AND INFORMAL SECTOR IS A PRIORITY, IN ORDER TO ENABLE TRADE TRANSFORMATION OF THIS SECTOR IN THE NEXT 5 YEARS.
- ➔ POLICY MAKERS, REGULATORS, PRODUCERS & PROCESSORS/ RECYCLERS TO WORK TOWARDS THIS OBJECTIVE
- ➔ PROVIDE VIABILITY GAP FUNDING FOR ENVIRONMENTAL COMPLIANCE AMONG INFORMAL SECTOR RECYCLERS AND ‘TECHNOLOGY OPERATION SUBSIDY’ FOR FORMAL SECTOR TO INTEGRATE THEM AND CREATE LEVEL PLAYING FIELD
- ➔ GOVT SHOULD SUBSIDIZE CAPEX OF RECYCLERS AND PRODUCERS TO PAY OPEX (EQUAL TO LOGISTIC AND PROCESSING COSTS) TO INCREASE EFFICIENCY OF MATERIAL RECOVERY
- ➔ GOVT TO STRENGTHEN EXISTING CSIR LABORATORIES TO ASSAY SECONDARY MATERIALS TO HELP AVAIL CARBON CREDIT
- ➔ USE OF SECONDARY RESOURCES FROM E-WASTE TO BE MADE MANDATORY



# SESSION ON ROLE OF SUSTAINABILITY IN INDIA'S GROWTH TRAJECTORY

In this age and time of global agenda on sustainability, IMRC's session on the topic elicited huge response from the delegates on 3 February 2023

**H**on'ble Minister, Ministry of Road Transport & Highways' statement laid the right tone for the session that followed on "Role of Sustainability in India's Growth Trajectory". Mr Gadkari said: "Waste to wealth is a philosophy which is accepted by the Government and if we can import waste tyre, plastic waste, scrap cars, automobile units we can make value addition in the country. Already we are encouraging this industry. We are trying to give them maximum benefits and I feel that economic viability is there."

While Mr. Patawari's insightful talk on 'Global Perspective: Sustainability & Circular Economy'

helped to place the subject on context, Mr Unni's erudite take on infrastructure development to drive demand proved quite wholesome for the enterprising stakeholders of the recycling industry present.

The news that Dr Agnihotri shared of the Ministry of Mines working on having a recycling wing was welcomed by the audience, though they were eager to know more about the modalities.

While Mr. Pucchakayala delivered a special address on the occasion of the launch of BIS Standards on Ferrous Scrap, Mr Shah explained the background leading to the establishment of the Standards.

## EMINENT SPEAKERS

- **SHRI NITIN GADKARIJI**, Hon'ble Minister of Road Transport & Highways
- **MS. RUCHIKA CHAUDHARY GOVIL**, Additional Secretary, Ministry of Steel
- **DR. ANUPAM AGNIHOTRI**, Director, JNARDDC
- **ARUN PUCCHAKAYALA**, Member Secretary, MTD 4, BIS
- **SURENDRA BORAD PATAWARI**, Chairman, Gemini Corporation NV
- **NAVEEN UNNI**, Partner, McKinsey & Company
- **SANJAY MEHTA**, President, MRAI
- **DHAWAL SHAH**, Sr Vice President, MRAI



## TAKEAWAYS

- ➔ TIME TO ENCOURAGE RECYCLING OF MATERIALS IN A CIRCULAR MANNER
- ➔ HUGE POTENTIAL FOR SETTING UP SCRAPING UNITS
- ➔ OPPORTUNITIES FOR NEW WASTE STREAMS IN DIFFERENT SECTORS
- ➔ STATES AND CENTRE SHOULD PUSH CIRCULAR ECONOMY APPROACHES
- ➔ MAKE RECYCLING PART AND PARCEL OF ALL ACTIONS OF SUSTAINABILITY, CLIMATE CHANGE, OR CIRCULARITY

## EMINENT SPEAKERS

- **MS. RUCHIKA GOVIL**,  
Additional Secretary, MoS
- **SURINDER KUMAR GUPTA**,  
Chairman, MSTC India
- **ARUN PUCCHAKAYALA**,  
Member Secretary,  
MTD 4, BIS
- **MS. NISHTHA MUKHERJEE**,  
GM - Operations, SteelMint
- **ARNAB MAJUMDER**,  
Manager, PWC
- **LEE ALLEN**,  
Fastmarkets MB
- **KEYUR SHAH**,  
Mono Steel India Ltd.
- **C. SHEKHAR CHOUDHARY**,  
Indicaa Group Ltd
- **SANJAY MEHTA**,  
President, MRAI
- **GOPAL GUPTA**,  
President Emeritus, AIIFA
- **YOGESH MANDHANI**,  
President, SMAM

# SESSION ON VISION 2030: SECONDARY STEEL SECTOR PROSPECTS & CHALLENGES

The session saw interesting perspectives about the sector which is demonstrating quite a promising future in India



## TAKEAWAYS

- ➔ EXPECTED TO SEE AN INCREASING SHIFT BY FY30 IN THE BF-BOF ROUTE OF STEEL MAKING
- ➔ THERE IS THE NEED TO INCREASE AWARENESS AND MORE PUBLIC PARTICIPATION FOR VEHICLE SCRAPPING
- ➔ SCARP HAS GOT NEW PROMINENCE, THANKS TO EMPHASIS ON GREEN STEEL
- ➔ LOT OF DEMAND FOR STEEL DUE TO GOVT PLANNING TO BUILD BRIDGES ALL ALONG THE COASTAL REGIONS
- ➔ MSME STEEL MAKERS HAVE UPGRADED AND IS READY TO MEET DEMAND
- ➔ INDIA HAS STARTED CONSUMING MORE MATERIALS IN THE LAST 5-7 YEARS, SO ARISING WILL GET AFTER 10-15 YEARS. SO JUST ALLOW FREE IMPORTS

**T**oday the onus cast on the secondary sector is even more onerous because they are expected to meet the demand, the wish list of being the green steel producers for the country,” noted Ms Govil on the context of reforms the Government is bringing into play in order to provide a facilitative environment for the industry.

“The interesting shift we expect to see by FY30 is an increasing shift in the BF-BOF route in Indian steel making stands at roughly about 45%. And we expect this ratio to increase to about 55% by FY30 considering the expansion plans lined up as of now,” Ms Mukerjee said.

According to Mr Pucchakayal, BIS provides a platform for making the standards where all the concerned stakeholders are consulted so that the rules for common use can be formulated and established.

“We started to work on the revision of standards of Ferrous

Scrap in the year 2018 and today after multiple meetings with various stakeholders we have come out with the revised Standards,” he updated the audience.

Mr Gupta of MSTC said that with the environment goal setting in, scrap is the new gold, new wealth. “The world today is looking at scrap with a good hope to achieve the environmental targets.

“Scrap has got new prominence, he added, “due to the worldwide emphasis on green steel.”

According to Mr Mandhani, 90% of the steel manufactures are from the MSME sector whose profile has changed in the last 10 years. Today, if we talk about technology, automation, energy saving, scaling of production, sustainability, everything has incorporated by the MSME sectoral players.

Mr Majumder is of the opinion that implementation of Vehicle Scrapage Policy should be there, with more processing centres. ■



# SESSION ON GLOBAL SCRAP TRADE: A VICTIM OF POLICIES



Given the importance of global recyclable commodity trade, the session was the most pertinent one for the industries of recycling

**W**ith subjects as varying as 'EU Waste Shipment Regulations: Origin & Impact', 'Free trade of EU Scrap: A BIR's Perspective', BMRA's perspective on EU Waste Shipment Regulation, 'US Government's initiatives for Recycling Industry', 'Update on India & UAE Trade relations,' and 'Metal Recycling in India: One step forward and two steps backward', the session and its speakers dissected the issue to the core. No wonder the session on Global Scrap Trade: A Victim of Policies? drew an engaging gathering of stakeholders.

"This is not a European problem; this is an international problem that is directly affecting global markets," described BIR President Mr Bird.

Mr Shah brought into focus the Indian point of view when he said, "On the ferrous side steel, thanks to the ministry's efforts, we are lucky but on the non-ferrous side

we still have problems," he said in his introduction to taxes levied on imports by the Government.

"We have a very vibrant economy here. The ecosystem here is very suited for value addition. It brings taxes for the Government, it adds the employment and overall the environmental equation. But I think with this tax we are letting a great opportunity go away and I think that needs rectification," he concluded in his appeal to the Government.

"Demand for circular economy products and services must be stimulated," said Ms Burance. For her, "Free, fair and sustainable global trade is therefore instrumental in achieving a truly circular economy and preserving the environment."

Ms Wiener of ISRI talked about industry and trade collaborations of which she is quite excited about and is confident of helping the global recycling material industry in its route towards sustainability. ■

## EMINENT SPEAKERS

- **EMMANUEL KATRAKIS**, Secretary General, EuRIC
- **TOM BIRD**, President, BIR
- **SUSIE BURAGE OBE**, President, BMRA
- **BRIAN HENESEY**, Chair, ISRI
- **ROBIN WIENER**, President, ISRI
- **DHAWAL SHAH**, Sr. Vice President, MRAI
- **AMAR SINGH**, Secretary General, MRAI

## TAKEAWAYS

- ➔ IT IS NOT A EUROPEAN PROBLEM, BUT AN INTERNATIONAL PROBLEM THAT DIRECTLY AFFECTS MARKETS
- ➔ INDIA IS A VITALLY IMPORTANT MARKET BOTH FROM A SUPPLY AND ALSO FROM A CONSUMER PERSPECTIVE
- ➔ BIR WILL CONTINUE TO COORDINATE ACTIONS TO SECURE THE FUTURE GLOBAL CIRCULAR ECONOMY
- ➔ INDIA IS NOT ABLE TO PUSH EXPORT VOLUMES BECAUSE OF THE TAXES IT IMPOSED ON NON-FERROUS SCRAP MAKING PRODUCTS NON-COMPETITIVE
- ➔ IMPORT TAXES ROB INDIA A GREAT OPPORTUNITY,
- ➔ TRADE ASSOCIATION ALLIANCES THE ANSWER TO NAGGING ISSUES IMPACTING FREE FLOW OF RECYCLABLE COMMODITIES





# PLENARY SESSION



**T**he power-packed Plenary session witnessed many an inspiring speech that not only helped to instill confidence in the industry stakeholders who were convinced of the Government's commitment and resoluteness in furthering reform agenda towards a sustainable, green and Atmanirbhar Bharat.

"The steel sector must be at the forefront of adapting the six R's principle of reduce, recycle, reuse, recover, redesign, and remanufacture, which is a must for any strong corporate governance structure," exhorted the young and dynamic Jyotiraditya Scindia, honourable minister for Steel and Civil Aviation.

"Today you just did not win the hearts of the 25,000 plus micro, small, & medium enterprises engaged in recycling. You have given them a new direction, new hopes and renewed energy to be global champions of circularity and sustainability," exclaimed Mr Shah as he delivered another hurrah to the future of Indian Recycling Industry.





The three days of mega gathering of stakeholders of Global Recycling at Grand Hyatt, Kochi, saw the ultimate on the third and last day, Saturday, 4th February 2023



## EMINENT SPEAKERS

- **JYOTIRADITYA SCINDIA,**  
Union Minister of Civil Aviation & Steel
- **DR. HARSHADEEP KAMBLE (IAS),**  
Principal Secretary – Industry & Mines,  
Maharashtra Government
- **MS. RUCHIKA CHAUDHARY GOVIL,**  
Additional Secretary, Ministry of Steel
- **SANJAY MEHTA,**  
President, MRAI
- **DHAWAL SHAH,**  
Sr. Vice President, MRAI
- **ZAIN NATHANI,**  
Vice President, MRAI
- **YOGESH MANDHANI,**  
President, SMAM
- **AMAR SINGH,**  
Secretary General, MRAI

In their speeches, Dr Kamble, Mr Mehta, Mr Mandhani, Ms Govil, Mr Shah and Mr Nathani brought forth the different dimensions of the emerging recycling industry of the country, contextualising it with developments happening globally. Besides they succinctly pointed out the mega opportunities and challenges that recycling activities involved while leveraging it to meet the various national and global agendas.

“Scrap, by the way, is no longer a bad word in the lexicon of the world. It is a virtuous word. It is a conservation word. It is a word that denotes green economy for the world. Therefore you must be proud of what you’re doing because what you’re doing is sustaining Mother Earth in the years to come,” said the minister, adding, “I must congratulate MRAI for their effort and complementing the Prime Minister’s vision of a circular sustainable resource efficient economy.

All in all, the plenary session made the pathway clear for Indian Recycling to play its important role for the Atmanirbhar Bharat, which is rushing to become the fastest and largest economy of the world. ■

## TAKEAWAYS

- ➔ THE WORLD'S FOCUS IS ON INDIA RIGHT NOW.
- ➔ THE INDIAN GROWTH STORY IS HERE AND NOW GLOBAL SCRAP TRADE WANTS TO BE PART OF THIS STORY
- ➔ DOMESTIC SCRAP COLLECTION NEEDS TO BE PROMOTED
- ➔ THE VEHICLE SCRAPPAGE POLICY NEEDS TO BIND ALL STAKEHOLDERS TO MAKE IT A SUCCESS
- ➔ DUTY FREE IMPORTS OF RECYCLABLES MUST CONTINUE TO FILL ANY SHORTFALL AND MAKE INDIA A GLOBAL RECYCLING HUB
- ➔ THE PATH FORWARD IS THROUGH SUSTAINABLE GROWTH, THEREFORE PRIORITIZE EPR
- ➔ WE NEED TO PROMOTE FINISHED PRODUCTS MADE FROM RECYCLABLE RAW MATERIALS
- ➔ STATES SHOULD FOCUS ON SETTING UP CIRCULAR ECONOMY PARKS
- ➔ STEEL MINISTRY MUST PROMOTE INDUCTION AND ARC FURNACES TO INCREASE CAPACITY USING RECYCLABLE METALS

# SESSION ON NON-FERROUS INDUSTRY: CHALLENGES & OPPORTUNITIES

Given the increasing demand for secondary metals, especially of the non-ferrous segment, the interest of the audience attending the programme was understandable. The Great Indian Story of Growth has much to depend on these metals, which are in short supply

## EMINENT SPEAKERS

- **R P GUPTA,**  
Director, Ministry of Mines
- **DR. ANUPAM AGNIHOTRI,**  
Director, JNARDDC
- **JOE VU,**  
London Metal Exchange
- **TONY FERRARA,**  
StoneX Financial Limited
- **DHAWAL SHAH,**  
Sr. Vice President, MRAI
- **MOHAN AGARWAL,**  
CMR Green Technologies



## TAKEAWAYS

- ➔ UNLIKE FOR FERROUS METALS, THE BIS STANDARDS FOR NON-FERROUS ARE YET TO ADDRESS BASIC ISSUES
- ➔ THE SAMPLING AND TESTING PROCEDURES SUGGESTED BY BIS ARE FOUND TO BE NOT PRACTICAL
- ➔ THE INDUSTRY IS WAITING TO SEE THE OUTCOME, AS BIS HAS COMPLETED HEARING ALL THE PARTIES CONCERNED
- ➔ THE INDUSTRY IS HOPEFUL OF NITI AAYOG PLAYING ITS CRUCIAL ROLE IN THE SETTING THE ISSUE AMICABLY

The session on the country's Secondary Non-ferrous Industry got rousing introduction with Mr Shah's opening remarks. His depiction of the industry's challenges and opportunities was sufficient for other speakers to further the agenda.

Besides clearing the ground, JNARDDC Director's special address helped to provide insight into the way Ministry of Mines is planning to carry out the reform agenda.

The panel discussion involving the living lights of the secondary industry helped to bring more focus on 'BIS Standards on Secondary Non-Ferrous Metals: Impact on Indian Non-Ferrous Recycling Industry'.

There was also an overview of the Sustainability Initiatives of the

London Metal Exchange, followed by a presentation on 'Metals Outlook for 2023'.

Authorities present seem to brush aside the general perception that the industry harbours: BIS standards seem to have a hidden agenda, wherein it is there to further the commercial interest of some interested parties and against the interest of the country as a whole.

Mr Gupta informed the gathering that the Government would be working in tandem with the industry stakeholders to address their issues and concerns, including the one on Standards. I am confident that the Ministry will have to change its stand. Though not assuring, I am confident that we will be doing our best to resolve the issue as soon as possible." ■

# SESSION ON CIRCULAR ECONOMY PARK POLICY: INVESTMENTS & OPPORTUNITIES



Indian Recycling has been demanding setting up of recycling parks in the country as a way to promote recycling activities on a major scale. The session helped to give wings to the dream

**T**he country's maiden effort at setting up of Circular Economy Recycling Parks by the State of Maharashtra got full attention at the session devoted to 'Circular Economy Parks Policy: investment and opportunities.'

The chief architect behind the initiative Dr. Kamble noted: 'MRAI has been doing commendable work as the Knowledge Partner towards defining the policy for the upcoming Circular Economy parks in Maharashtra.'

He briefed the audience about the salient features of the forthcoming parks and how the state is planning to develop them on a hub and spoke model so

that they would serve the entire country not only the state.

After Dr Kamble's special address, the session saw deliberations on 'Circular Economy in Automobile Recycling', 'Circular Economy opportunities in India'.

The panel discussion that ensued soon afterwards took up important aspects of circular economy for debate.

It was quite an exhilarating experience for the audience to hear about the recycling parks. As Dr Kamble has put deadlines for the execution of the different activities towards actualising the project, all the attention seems to be focused on developments in the state of Maharashtra. ■

## EMINENT SPEAKERS

- **DR. HARSHADEEP KAMBLE (IAS)**  
Principal Secretary – Industry & Mines, Maharashtra State
- **P K BANERJEE,**  
Executive Director, SIAM
- **MS. RICHA MALIK,**  
Associate, McKinsey & Company
- **AMIT VERMA,**  
Director, NITI AAYOG
- **MOHIT GARG,**  
Scientist B, BIS
- **CMDR SUJEET SAMADDAR,**  
Consultant, MRAI
- **ULHAS PARLIKAR,**  
Consultant, MRAI
- **BINEESHA P,**  
Consultant, MRAI

## TAKEAWAYS

- ➔ MAHARASHTRA PLANS TO SET UP 4 PARKS AT STRATEGIC LOCATIONS
- ➔ INVESTORS WOULD BE ELIGIBLE FOR ATTRACTIVE INCENTIVE SCHEMES
- ➔ RECYCLING SECTOR IS ONE OF THE FASTEST GROWING SECTORS IN INDIA
- ➔ SCOPE FOR INVESTMENT IN WASTE MANAGEMENT IS EXTREMELY HUGE
- ➔ INCREASED INTEREST IN THIS SECTOR FROM VC, ANGEL INVESTORS AND BANKS
- ➔ CE PARKS CAN REDUCE RISKS FOR INVESTORS AS WELL AS CUT POLLUTION
- ➔ A KNOWLEDGE MANAGEMENT CENTRE IN THE PARK TO ENCOURAGE INNOVATION AND SHARE BEST TECHNOLOGIES TO INCREASE THE MATERIAL RECOVERY



SHRI KISHORE RAJPUROHIT

# Lifetime Achievement Award



MR. VARUN PUROHIT RECEIVING THE AWARD ON BEHALF OF HIS FATHER  
SHRI KISHORE RAJPUROHIT

SHRI GOPAL GUPTA

# GLOBAL RECYCLER OF THE YEAR



MR. GOPAL GUPTA BEING FELICITATED BY HIS FATHER SURENDER PAL GUPTA AND MR. MEHTA, MRAI



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