

INTERNATIONAL CONFERENCE ON RESOURCE EFFICIENCY AND CIRCULAR ECONOMY IN MINERAL AND METAL SECTORS

25TH TO 27TH AUGUST 2022
Pragati Maidan, New Delhi, India

CONFERENCE PROGRAM 2022

Conference Hall at Hall #5

DAY- 1- Thursday, 25th August 2022

Registration	9.00 AM to 10.00 AM
Welcome Address	10:00 AM to 10.10 AM <ul style="list-style-type: none">• Dr. Mukesh Kumar, Chairman, IIM Delhi Chapter
Panel Discussion	11:00 AM to 11:15 AM <ul style="list-style-type: none">• Ms. Ruchika Chaudhry Govil, Addl. Secretary, Min. of Steel
Panel Members	<ul style="list-style-type: none">• Shri Amarendu Prakash, Director Incharge, Bokaro Steel Plant, SAIL• Shri Parmod Sagar, MD & CED, RH/ Magnesita• Shri DK Mohanty, Director (Prod.), NMDC Ltd.• Shri AK Agrawal, Director (Tech), MECON Ltd.• Shri Atul Bhat, GMO, RINL• Shri Jayant Acharya, Dy. MD, JSW Steel• Dr. S Basu, Director, CSIR-IMMT

Tea / Coffee: 11:15 AM to 11:30 AM

Conference on “Resource Efficiency and Circular Economy in Mineral & Metal Sectors” managed by IIM

Technical Session I (11:30 AM to 13:15 PM)

Theme: “Decarbonisation and Green Metal Production”

Session Chairman: Dr. Sanak Mishra, Former President, IANE

Challenges in deep decarbonisation of steel Industry	<ul style="list-style-type: none">• Dr. Debashish Bhattacharjee, Tata Steel
Decarbonizing the steel sector in India; An analytical perspective on the role of circular economy	<ul style="list-style-type: none">• Dr. Sachin Kumar, Shakti Foundation
Danieli’s way forward towards low carbon future	<ul style="list-style-type: none">• Shri Manoranjan Ram, Danieli India Ltd.
SAIL on a greener path through circular economy	<ul style="list-style-type: none">• Shri SK Das, EMD, SAIL
Role of mining and iron ore in green initiatives	<ul style="list-style-type: none">• R. Chinnamsetty, Head, Mining Operations, AM/NS
Lunch: 13:15 PM to 14:15 PM	

Technical Session II (14:15 PM to 16:00 PM)

Theme: “Resource Efficiency and Circular Economy In Metal Sector”

Session Chairman: Shri SS Mohanty, CEO & MD, Essar Minmet

Resource efficiency and circular economy of mineral and metal sectors	<ul style="list-style-type: none"> • Shri Sauvick Mazumdar, Vedanta Ltd.
HPPI for circularity and wealth creation from wastes	<ul style="list-style-type: none"> • Shri PK Tripathy, Tata Steel
Resource Efficiency through by-product recycling and waste material utilization in the development of metal production/recycling technologies – DMRL initiatives	<ul style="list-style-type: none"> • Dr. Ch. RVS Nagesh, DMRL
Enhancing resource efficiency of metal scrap recycling sector in India	<ul style="list-style-type: none"> • Commodore Sujeet Samaddar, MRAI
Acid leaching of cobalt and lithium from Li-ion batteries in presence of copper reductant	<ul style="list-style-type: none"> • Dr. Chenna Rao Borra, IIT, Kharagpur
Improving resource efficiency in steel Industry through world class manufacturing -The Toyota way	<ul style="list-style-type: none"> • Shri AN Singh, Lean Solutions
Resource Efficiency in mining and metal sector	<ul style="list-style-type: none"> • Shri Sanjay Dutta, MECON Limited

Tea / Coffee: 16:00 PM to 16:15 PM

Technical Session III (16:15 PM to 18:00 PM)

Theme: “Manufacturer's & Exhibitor’s Presentation”

Session Chairman: Mr. Ulrich Greiner Pachter, CEO, Region India & Asia Pacific, SMS Group

Decarbonization in blast furnace iron making	<ul style="list-style-type: none"> • Shri Kaushik Mukherjee, Danieli Corus
Pathways for decarbonization of the steelmaking industry	<ul style="list-style-type: none"> • Shri Praveen Chaturvedi, TENOVA

Trends in non-ferrous metal production industry – the future of metals is circular, digital and carbon neutral	<ul style="list-style-type: none"> • Mr. Hannes Lukas Joubert, SMS India Pvt. Ltd.
Energy efficiency through lubricants which can contribute in environment conservation	<ul style="list-style-type: none"> • Shri Arighna Banerjee, Exxonmobil Lubricants Pvt. Ltd.
Role of repair, refurbishment and life extension services in circular economy	<ul style="list-style-type: none"> • Ms Surbhi Sood, Industrial Processors & Metallizers Pvt. Ltd.
Utilization of slags and co-products	<ul style="list-style-type: none"> • Abhijit Gupta, Harsco India

Conference Hall at Hall #5

DAY- 2- Friday, 26th August 2022

Inaugural Session	10:00 AM to 11.00 AM
Chief Guest	<ul style="list-style-type: none"> • Shri Jyotiraditya M. Scindia, Hon'ble Min. of Civil Aviation & Steel
Guest of Honour	<ul style="list-style-type: none"> • Ms. Ruchika Chaudhry Govil, Addl. Secretary, Min, of Steel • Shri Sajjan Jindal, CMD, JSW Steel • Shri Sajjan Jindal, CMD, JSW Steel • Shri TV Narendran, CEO & MD Tata Steel • Ms. Soma Mondal, Chairman, SAIL • Dr. SK Jha, , GMO, Midhani
11:00 AM to 11:15 AM	Inauguration of Exhibition
Tea / Coffee: 11:15 AM to 11:30 AM	

Conference on “Resource Efficiency and Circular Economy in Mineral & Metal Sectors” managed by IIM

Technical Session IV (11:30 AM to 13:30 PM)

Theme: “Utilization of Slag and Co-Products”

Session Chairman: Dr. SK Jha, CMD, Midhani

Value addition of LO slag: A by-product of steel industry- An opportunity for agriculture	<ul style="list-style-type: none">• Dr. Bhupinder Singh, ICAR-/ARI
Steel slag road: A sustainable green utilization of steel slag in road construction	<ul style="list-style-type: none">• Shri Satish Pandey, CRRRI
Valorization of iron and steel slag for value-added products in cement and construction applications	<ul style="list-style-type: none">• Dr. Rama Murthy, Tata Steel
Development of cement free concrete using slags produced in iron and steel plants	<ul style="list-style-type: none">• Shri Gautam Banerjee, AM/NS
Utilization of LO slag in developing new composite/ blended cementitious binder	<ul style="list-style-type: none">• Dr. SK Singh, CSIR-CBRI
Comparative study on low cost Ca/Mg/Al/Fe layered double hydroxide (LOH) derived from EAF slag with standard TiO₂ for waste water remediation	<ul style="list-style-type: none">• Dr. SK Singh, CSIR-CBRI
Slag sand: A sustainable way to reuse slag	<ul style="list-style-type: none">• Dr. Satish Kumar, JSW Steel Ltd., Vijaynagar
Lunch: 13:30 PM to 14:15 PM	

Technical Session V (14:15 PM to 16:15 PM)
Theme: “Utilization of Lean Grade Ores”
Session Chairman: Dr. S. Basu, Director CSIR-IMMT

Challenges in utilization of lean grade iron ores for sustainable iron making	<ul style="list-style-type: none"> • Dr. Rameshwar Sah, JSW Steel Ltd., Vijaynagar
Production of pellet grade concentrate from sub-grade iron ore using enhanced gravity separation	<ul style="list-style-type: none"> • Dr. GV Rao, NMDC Limited
Recovery of values from low and lean grade iron ore resources	<ul style="list-style-type: none"> • Dr. AK Sahu CSIR-IMMT
Utilization of iron ore bearing co-products through sinter and pellets	<ul style="list-style-type: none"> • Shri Gautam Banerjee, AM/NS
Utilization of LD slag in developing new composite/ blended cementitious binder	<ul style="list-style-type: none"> • Shri Dharmendra Rajak, JSW Steel Ltd., Dolvi
Characterization and pelletization studies of chromite overburden for smelting in submerged arc furnace	<ul style="list-style-type: none"> • Shri SK Tripathy, Tata Steel
Utilization of lean grade iron ore fines in beneficiation process at JSW Steel Ltd.	<ul style="list-style-type: none"> • Shri SS Yadav, JSW, Vijaynagar
Requirements and challenges of high pellet charging in blast furnace	<ul style="list-style-type: none"> • Shri Manda Rajnanda Kumar, JSW, Vijaynagar
Tea / Coffee: 16:15 PM to 16:30 PM	

Technical Session VI (16:30 PM to 18:00 PM)
Theme: “Energy and Environment”
Session Chairman: Ms. Neha Verma, Director, Min. of Steel

Integrated sustainability assessment of steel manufacturing in India: a comparative LCA	<ul style="list-style-type: none"> • Shri Souvik Bhattacharjya, TERI
Technological interventions towards reduction in energy consumption and GHG Emission in SAIL plants	<ul style="list-style-type: none"> • Shri Partha Banerjee, RDCIS, SAIL
Present practices and future plans to minimize GHG emission at AMNS	<ul style="list-style-type: none"> • Shri V Pokharna, AMNS
Circular economy solutions: refractories recycling	<ul style="list-style-type: none"> • Shri Jaydeep Bagchi, RHI Magnesite

Conference Hall at Hall #5 DAY- 3- Saturday, 27th August 2022

Conference on “Resource Efficiency and Circular Economy in Mineral & Metal Sectors” managed by IIM

Technical Session VII (10:00 AM to 11:00 AM)
Theme: “New Technology”
Session Chairman: Dr. Mukesh Kumar, Director, SRTMI

A new solution for metal recovery with special plasma arc furnace technology with least emissions and high efficiency	<ul style="list-style-type: none"> • Shri Raghuram Rao, Proman Infrastructure/Maser Cata
Lanza Tech: Recycling carbon, creating value	<ul style="list-style-type: none"> • Ms. Preeti Jain, Lanza Tech Pvt. Ltd.
Latest developments in wet and dry gas cleaning	<ul style="list-style-type: none"> • Shri Kaushik Mukherjee, Danieli Corus

Advanced iron ore beneficiation of low grade resources through DMS technology	<ul style="list-style-type: none"> • Shri Sunil Yadav, Exagogi
Beneficiation of lean grade iron ore and tailings – A waste to wealth management initiative at Dalli mechanized mine at BSP, SAIL	<ul style="list-style-type: none"> • Shri S Manoj Kumar, BSP, SAIL

Technical Session VIII (11:00 AM to 11:45 AM)
Theme: “Resource Efficiency & Circular Economy: Industry View”
Session Chairman: Shri PK Bajaj, Ex MD, Durgapur Steel Plant

PANELIST	<ul style="list-style-type: none"> • Shri RP Sharma, Recycling and Environment Industry Association • Shri Deepak Bhatnagar, PMAI • Shri D Kashiva, SIMA • Shri Kamal Aggrawal, AIIFA • Dr. Anil Dhawan, ASPA • Shri KK Pahuja, ISSDA
Tea / Coffee: 11:45 PM to 12:00 PM	

VALEDICTORY SESSION (12:00 PM to 13:30 PM)
Chief Guest: Shri Faggan Singh Kulaste, Hon'ble Minister of State for Steel and Rural Development

12:00 PM to 12:10 PM	Welcome & Overview of International Conference <ul style="list-style-type: none"> • RK Vijayavergia, Organizing Secretary, MMMM 2022
12:10 PM to 12:20 PM	Overview of Exhibition Event

	<ul style="list-style-type: none"> • Shri Gagan Sahani, Project Director, Hyve
12:20 PM to 12:35 PM	Address: <ul style="list-style-type: none"> • Shri VR Sharma, Dy. MD, JSPL
12:35 PM to 12:45 PM	Hon'ble Minister of State of Steel and Rural Development
12:45 PM to 13:05 PM	Prize Distribution
13:05 PM to 13:10 PM	Vote of Thanks <ul style="list-style-type: none"> • Dr. Mukesh Kumar, Chairman, IIM Delhi Chapter
Lunch: 13:15 PM	