

International Conference
Resource Efficiency and Circular Economy in Mineral & Metal Sectors
PROGRAMME

25TH August 2022

0900Hrs – 1000 Hours	Registration
1000 Hrs -1010 Hrs	Welcome address Dr. Mukesh Kumar, <i>Chairman, IIM Delhi Chapter</i>
1010 Hrs to 1115 Hrs	Panel Discussion : Industry-Academia Conclave on Resource Efficiency & Circular Economy
Chairman	Ms Ruchika Chaudhry Govil <i>Addl. Secretary, (Steel)</i>
Panel Members	Shri Atul Bhatt <i>CMD, RINL</i> Shri Amarendu Prakash <i>Director I/c, Bokaro Steel Plant, SAIL</i> Shri D K Mohanty <i>Director (Prod.), NMDC Ltd.</i> Shri Parmod Sagar <i>MD & CEO, RHI Magnesita</i> Dr. S Basu <i>Director, CSIR-IMMT</i>

1115 Hrs to 1130 Hrs Tea Break

1130 Hrs to 1315 Hrs	TECHNICAL SESSION I Decarbonisation and Green Metal Production	
Chairman	Dr.Sanak Mishra, <i>Former, President, INAE</i>	
1.	Challenges in deep decarbonisation of steel industry	Dr. Debashish Bhattacharjee <i>Tata Steel (Invited)</i>

2.	Decarbonizing the steel sector in India; An analytical perspective on the role of circular economy	Dr. Sachin Kumar <i>Shakti Foundation (Invited)</i>
3.	Danieli's way forward towards low carbon Future	Shri Manoranjan Ram <i>Danieli India Ltd.</i>
4.	SAIL on a greener path through circular Economy	Shri S K Das, <i>EMD-SAIL</i>
5.	Role of Mining & Iron Ore in Green Initiatives	Shri Ramakrishna Chinnamsetty, <i>AMNS</i>

1315 Hrs to 1415Hrs Lunch Break

1415 Hrs to 1600 Hrs		TECHNICAL SESSION II Resource Efficiency and Circular Economy in Metal Sector
Chairman		Shri S S Mohanty, CEO & MD, Essar Minmet Ltd
1.	Resource efficiency and circular economy of mineral and metal sectors	Shri Sauvick Mazumdar <i>Vedanta (Invited)</i>
2.	HPPI for circularity and wealth creation from Wastes	Shri P K Tripathy <i>Tata Steel</i>
3.	Resource Efficiency through by-product Recycling and waste material utilization in the development of metal production / recycling technologies – DMRL initiatives	Dr. Ch RVS Nagesh <i>DMRL</i>
4.	Enhancing resource efficiency of metal scrap recycling sector in India	Commodre Sujeet Samaddar <i>MRAI</i>
5.	Acid leaching of cobalt and lithium from Li-ion batteries in presence of copper reductant	Dr.Chenna Rao Borra, <i>IIT, Kharagpur</i>
6.	Improving resource efficiency in steel Industry through world class manufacturing -The Toyota way	Shri A N Singh <i>Lean Solutions</i>
7.	Resource Efficiency in mining and metal sector	Shri Sanjay Dutta <i>MECON Ltd.</i>

1600 Hrs to 1615 Hrs Tea Break

1615 Hrs to 1800 Hrs		TECHNICAL SESSION III Manufacturers & Exhibitor's Presentation
Chairman		Mr. Manoranjan Ram, Danieli India Ltd.
1.	Decarbonisation in blast furnace iron making	Mr. Kaushik Mukhejee <i>Danieli Corus</i>
2.	Pathways for decarbonization of the steelmaking industry	Shri Praveen Chaturvedi, <i>TENOVA</i>
3.	Energy efficiency through lubricants which can contribute in environment conservation	Shri Arighna Banerjee <i>Exxonmobil Lubricants Pvt. Ltd.</i>
4.	Role of repair, refurbishment and life extension services in circular economy	Ms Surbhi Sood <i>Industrial Processors & Metallizers Pvt. Ltd.</i>
5.	Utilization of slags and co-products	Shri Abhijit Gupta <i>Harsco India</i>

26th August 2022

1000 Hrs to 1100 Hrs	Inaugural Session	
	<p>Lighting of Lamp</p> <p>Welcome Address Dr. Mukesh Kumar, <i>Chairman, IIM Delhi Chapter</i></p> <p>Address Dr. S K Jha, <i>CMD, MIDHANI</i></p> <p>Address Mr. Ulrich Greiner Pachter, <i>CEO, Region India & Asia Pacific, SMS Group</i></p> <p>Address by Guest of Honour Ms Soma Mondal, <i>Chairman, SAIL</i></p> <p>Inaugural Address by Chief Guest Shri Jyotiraditya M Scindia <i>Hon'ble Minister of Civil Aviation & Steel</i></p> <p>Vote of Thanks Dr. Ramen Datta, <i>Secretary, IIM Delhi Chapter</i></p>	
1100 Hrs to 1115 Hrs	Tea Break	
1115 Hrs to 1330 Hrs	TECHNICALSESSION IV Utilization of Lean Grade Ores	
Chairman	Dr. S Basu, Director, CSIR-IMMT, Bhubaneshwar	
1.	Challenges in utilization of lean grade iron ores for sustainable iron making	Dr. Rameshwar Sah <i>JSW Vijaynagar</i>
2.	Production of pellet grade concentrate from sub-grade iron ore using enhanced gravity Separation	Dr. G V Rao, <i>NMDC Ltd.</i>
3.	Recovery of values from low and leangrade Iron ore resources	Dr. A K Sahu <i>CSIR-IMMT</i>
4.	Utilization of iron ore bearing co-products through sinter and pellets	Shri Dharmendra Rajak, <i>JSW, Dolvi</i>
5.	Characterization and pelletization studies of chromite overburden for smelting in Submerged arc furnace	Shri S K Tripathy <i>Tata Steel</i>
6.	Utilization of lean grade iron ore fines in Beneficiation process at JSW Steel Ltd.	Shri S S Yadav <i>JSW, Vijaynagar</i>
7.	Requirements and challenges of high pellet charging in blast furnace	Shri Manda Rajananda Kumar, <i>MECON Ltd.</i>

1330 Hrs to 1415 Hrs Lunch Break

1415 Hrs to 1615 Hrs	TECHNICAL SESSION V Utilization of slag and Co-Products	
Chairman	Dr. S K Jha, CMD, MIDHANI	
1.	Value addition of LD slag: a by-product of steel industry, an opportunity for agriculture	Dr. Bhupinder Singh <i>ICAR-IARI</i>
2.	Steel slag road: a sustainable green Utilization of steel slag in road construction	Shri Satish Pandey <i>CRRJ</i>
3.	Valorization of iron and steel slag for value-Added products in cement and construction Applications	Dr. Rama Murthy <i>Tata Steel</i>
4.	Development of cement free concrete using Slags produced in iron and steel plants	Shri Gautam Banerjee <i>AMNS</i>
5.	Utilization of LD slag in developing new Composite/blended cementitious binder	Dr. S K Singh <i>CSIR-CBRI</i>
6.	Comparative study on low coast Ca/Mg/Al/Fe layered double hydroxide (LDH) derived from EAF slag with standard TiO ₂ for waste water remediation	Dr. S K Singh <i>CSIR-CBRI</i>
7.	Slag sand: A sustainable way to reuse slag	Dr. Satish Kumar <i>JSW, Vijaynagar</i>

1615 Hrs to 1630 Hrs Tea Break

1630 Hrs to 1800 Hrs	TECHNICAL SESSION VI Energy and Environment	
Chairman	Ms Neha Verma, Director, Ministry of Steel	
1.	Integrated sustainability assessment of Steel manufacturing in India: a comparative LCA	Shri Souvik Bhattacharjya <i>TERI (Invited)</i>
2.	Technological interventions towards reduction in energy consumption and GHG emission in SAIL plants	Shri Partha Banerjee <i>RDCIS, SAIL</i>
3.	Present practices and future plans to minimize GHG emission at AMNS	Shri V. Pokharna <i>AMNS</i>
4.	Circular economy solutions: refractories recycling	Shri Jaydeep Bagchi <i>RHI Magnesita</i>
5.	Trends in non-ferrous metal production industry- the future of metals is circular, digital and carbon neutral	Mr Hannes Lukas Joubert <i>SMS India Pvt. Ltd.</i>

27th August 2022

1000 Hrs to 1100 Hrs	TECHNICAL SESSION VII New Technology	
Chairman	Dr. Mukesh Kumar, Director, SRTMI	

1.	A new solution for metal recovery with special plasma arc furnace technology with least emissions and high efficiency	Shri Raghuram Rao <i>Proman Infrastructure/ Masecata Oy</i>
2.	Lanza Tech: Recycling carbon, creating value	Ms. Preeti Jain <i>Lanza Tech Pvt. Ltd.</i>
3.	Latest developments in wet and dry gas cleaning	Shri Kaushik Mukherjee <i>Danieli Corus</i>
4.	Advanced Iron Ore Beneficiation of Low Grade resources through DMS Technology	Shri Sunil Yadav <i>Exagogi</i>
5.	Beneficiation of Lean iron ore and tailings: A waste to wealth management initiative at Dalli Mechanized mine, BSP, SAIL	Shri S Manoj Kumar <i>BSP, SAIL</i>
1100 Hrs to 1145 Hrs	Panel Discussion Industry View	
Chairman	Shri P K Bajaj, Former MD, Durgapur Steel Plant	
Panellist	<p>Shri R P Sharma, <i>Recycling & Environment Industry</i></p> <p>Shri Deepak Bhatnagar <i>PMAI</i></p> <p>Shri D Kashiva <i>SIMA</i></p> <p>Shri Kamal Aggarwal <i>AIIFA</i></p> <p>Shri K K Pahuja <i>ISSDA</i></p>	
1145 Hrs to 1200 Hrs	Tea Break	
1200 Hrs to 1330 Hrs	VALEDICTORY SESSION	
	<p>Welcome and Overview of International Conference Shri R K Vijayavergia, <i>Organizing Secretary, MMMM 2022</i></p> <p>Overview of Exhibition Event Shri Gagan Sahni, <i>Project Director, HYVE India</i></p> <p>Address Shri V R Sharma, <i>Vice Chairman, JSPL</i></p> <p>Address - Chief Guest Mr Paramjeet Singh Addl.Industrial Advisor, MoS, GOI</p> <p>Prize distribution</p> <p>Vote of Thanks Dr. Mukesh Kumar, <i>Chairman, IIM Delhi Chapter</i></p>	
1330 Hrs to 1430 Hrs	Lunch	