

MMMM 2022

INTERNATIONAL CONFERENCE ON “*RESOURCE EFFICIENCY AND CIRCULAR ECONOMY IN MINERAL & METAL SECTORS*”

25TH TO 27TH AUGUST 2022

VENUE - Pragati Maidan, New Delhi

PROGRAMME (Tentative)

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| 25TH AUGUST 2022 | | |
| 0900Hrs – 1000 Hours | | Registration |
| 1000 Hrs -1130 Hrs | | Inaugural Session |
| 1130 Hrs to 1200 Hrs | | Inauguration of Exhibition |
| 1200 Hrs to 1315Hrs | | Panel Discussion (Conclave of Industry Leaders) |
| 1315 Hrs to 1415 Hours | | Lunch Break |
| 1415 Hrs to 1600 Hrs | | |
| TECHNICALSESSION I | | Decarbonisation and Green Metal Production |
| Chairman of the Session | | Dr. Sanak Mishra* Former, INAE President |
| Paper No.1 | Challenges in deep decarbonisation of steel industry | Dr. Debashish Bhattacharjee, Tata Steel (Invited) |
| Paper No. 2 | Decarbonizing the steel sector in India; An analytical perspective on the role of circular economy | Dr. Shilpi Kapur E M Centre (Invited) |
| Paper No. 3 | Decarbonizing the steel sector: Technologies and Pathways | Dr. Joachim Von Scheele, Linde Technology (Invited) |
| Paper No. 4 | Trends in non-ferrous metal production industry – the future of metals is circular, digital and carbon neutral | Mr. Hannes Lukas Joubert, SMS Group |
| Paper No. 5 | SAIL on a greener path through circular economy | Shri S K Das, EMD-SAIL |
| 1600 Hrs to 1615Hrs | | Tea Break |
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| 1615 Hrs to 1815 Hrs | | |
| TECHNICAL SESSION II | | Resource Efficiency and Circular Economy In Metal Sector |
| Chairman of the Session | | Prof. Indranil Manna* VC BIT Mesra Ranchi |
| Paper No. 1 | Resource efficiency and circular economy of mineral and metal sectors | Shri Sauvick Mazumdar, Vedanta (Invited) |
| Paper No. 2 | HPPI for circularity and wealth creation from Wastes | Shri P K Tripathy, Tata Steel |
| Paper No. 3 | Resource Efficiency through by-product Recycling and waste material utilization in the development of metal production / recycling technologies – DMRL initiatives | Dr. CHRVS Nagesh, DMRL |
| Paper No. 4 | Enhancing resource efficiency of metal scrap recycling sector in India | Commodre Sujeet Samaddar, MRAI |
| Paper No. 5 | Acid leaching of cobalt and lithium from Li-ion batteries in presence of copper reductant | Dr. Chenna Rao Borra, IIT, Kharagpur |
| Paper No. 6 | Improving resource efficiency in steel Industry through world class manufacturing -The Toyota way | Shri A N Singh Lean Solutions |
| Paper No.7 | Resource Efficiency in mining and metal Sector | Shri Sanjay Dutta MECON |
| 26TH AUGUST 2022 | | |
| 1000 Hrs to 1130 Hrs | | |
| TECHNICAL SESSION III | | Manufacturers & Exhibitors' Presentations |
| Chairman of the Session | | Mr. Ulrich Greiner Pachter CEO, SMS India |
| Paper No. 1 | Danieli's way forward towards low carbon future | Shri Manoranjan Ram, Danieli India Ltd. |
| Paper No. 2 | Pathways for decarbonization of the steelmaking industry | Shri Praveen Chaturvedi, TENOVA |
| Paper No. 3 | Energy efficiency through lubricants which can contribute in environment conservation | Shri Utkal Mishra, Exxonmobil Lubricants Pvt. Ltd. |
| Paper No. 4 | Role of repair, refurbishment and life extension services in circular economy | Ms Surbhi Sood, Industrial Processors & Metallizers Pvt. Ltd. |
| Paper No. 5 | Critical minerals – exploring potential between India and Western Australia | Shri Bhanu Rahoni, Govt. of Western Australia (WATO) |
| 1130 Hrs to 1145 Hrs | | Tea Break |
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| 1145 Hrs to 1330 Hrs | | |
| TECHNICAL SESSION IV | | Utilization of Lean Grade Ores |
| Chairman of the Session | | Dr. D K Likhi* Former CMD, MIDHANI |
| Paper No. 1 | Challenges in utilization of lean grade iron ores for sustainable iron making | Shri Rameshwar Sah JSW Vijaynagar |
| Paper No. 2 | Production of pellet grade concentrate from sub-grade iron ore using enhanced gravity Separation | Shri G V Rao, NMDC |
| Paper No. 3 | Recovery of values from low and lean grade Iron ore resources | Dr. A K Sahu CSIR-IMMT |
| Paper No. 4 | Utilization of iron ore bearing co-products Through sinter and pellets | Shri M. Singhai JSW, Dolvi |
| Paper No. 5 | Characterization and pelletization studies Of chromite overburden for smelting in Submerged arc furnace | Shri S K Tripathy Tata Steel |
| Paper No. 6 | Utilization of lean grade iron ore fines in Beneficiation process at JSW Steel Ltd | Shri S S Yadav JSW, Vijaynagar |
| Paper No. 7 | Requirements and challenges of high pellet Charging in blast furnace | Shri Manda Rajnanda Kumar, Mecon |
| 1330 Hrs to 1415 Hrs | | Lunch Break |
| 1415 Hrs to 1615 Hrs | | |
| TECHNICAL SESSION V | | Utilization of slag and Co-Products |
| Chairman of the Session | | Dr. S Basu* Director, IMMT, Bhubaneshwar |
| Paper No. 1 | Value addition of LD slag: a by-product of steel industry, an opportunity for agriculture | Dr. Bhupinder Singh ICAR-IARI |
| Paper No. 2 | Steel slag road: a sustainable green Utilization of steel slag in road construction | Shri Satish Pandey CRRI |
| Paper No. 3 | Valorization of iron and steel slag for value-Added products in cement and construction Applications | Shri Rama Murthy Tata Steel |
| Paper No. 4 | Development of cement free concrete using Slags produced in iron and steel plants | Shri Gautam Banerjee AMNS |
| Paper No. 5 | Utilization of LD slag in developing new Composite/blended cementitious binder | Dr. S K Singh CSIR-CBRI |
| Paper No. 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 CSIR-CBRI |
| Paper No. 7 | Slag sand: a sustainable way to reuse slag | Shri Satish Kumar JSW, Vijaynagar |
| 1615 Hrs to 1630 Hrs | | Tea Break |
| 1630 Hrs to 1800 Hrs | | |

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| TECHNICAL SESSION VI | | Energy, Environment and New Technology |
| Chairman of the Session | | Dr. V. Ramaswamy* PSG College of Engineering |
| Paper No. 1 | Integrated sustainability assessment of Steel manufacturing in India: a comparative LCA | Shri Souvik Bhattacharjya TERI (Invited) |
| Paper No. 2 | Technological interventions towards Reduction in energy consumption and GHG Emission in SAIL plants | Shri Partha Banerjee RDCIS-SAIL |
| Paper No. 3 | Present practices and future plans to Minimize GHG emission at AMNS | Shri V. Pokharna AMNS |
| Paper No. 4 | A New Solution for Metal Recovery with Special Plasma Arc Furnace Technology with least emissions and High Efficiency | Mr. Matti Hurtha Mr. Juhani Honkonen & Shri Raghuram Rao Proman Infrastructure Maser Cata |

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| 27TH AUGUST 2022 | CONCLUDING PROGRAMME |
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| 1030 Hrs to 1045 Hrs | Overview of International Conference |
| 1045 Hrs to 1100 Hrs | Overview of Exhibition event |
| 1100 Hrs to 1230 Hrs | Valedictory Programme |
| 1230 Hrs onwards | Lunch |

**Confirmation awaited*