

1st Circular

CRITMET 2025



CRITICAL METALS CONGRESS

A confluence for researchers, industries and policy makers in critical mineral processing and metal extraction

06–08 November, 2025

organised by

**CSIR–National Metallurgical Laboratory
Jamshedpur, INDIA**

in association with



**Ministry of Mines
Govt of India**



**MeiTY
Govt of India**

www.critmet.in



About CRITMET 2025

The present world is highly dependent on higher-value products that use a growing number of elements previously utilized in limited quantities and are now renamed as critical elements. These critical elements are used in renewable energy, defense, consumer electronics, etc are concentrated in a few geographic locations or recovered as a by-product of a different processing chain owing to the geological association. CRITMET 2025 underpins the need to discuss and share the latest developments or technological advancements in critical mineral availability, extraction methodologies, and meeting the demand by recycling, and their applications. This conference aims to attract researchers from across the world to communicate and share the latest developments in these surfacing and ever-expanding fields. With India launching the National Critical Mineral Mission in 2025, the meet will be very pivotal in shaping national and international partnerships in this niche area.

Commemorating seven prosperous decades of CSIR-National Metallurgical Laboratory, Jamshedpur, India in the area of minerals, metals, materials and environmental research; we propose to hold CRITICAL METALS CONGRESS (CRITMET 2025), India's First International Event on critical minerals and metals, on 6-8 November, 2025 at our campus strategically located at JAMSHEDPUR, the STEEL CITY OF INDIA.

SCOPE

- *Exploration of Critical and Rare Earth resources*
- *Critical mineral distribution*
- *Critical metals for strategic applications, and low carbon mobility*
- *Potential Sources of Critical Metals*
- *Pre-concentration of critical minerals*
- *Chemistry of critical metals*
- *Recovery of Rare earths from Primary and Unconventional resources*
- *Recycling of Secondary Resources and Low Grade Ores*
- *Extraction and Separation of Critical metals*
- *Technological Innovations in RE value chain*
- *RE metals/ alloys/ compounds/ products & their applications*
- *'Application of AI in enhancing Metal Recoveries*
- *National and International Policy Framework on Critical Minerals, Rare Earths and Supply Chain Resilience*
- *Business Networking in Critical Metals Supply Chain*



Chief Patron: Dr. V.K.Saraswat, Member, Niti Aayog, Govt of India

Patrons

Dr. N.Kalaiselvi
Director General, CSIR
Tanmay Kumar
Secretary, MOEFCC

Prof. Abhay Karandikar
Secretary, DST.
Santosh Kumar Sarangi
Secretary, MNRE

V.L.Kantha Rao
Secretary, Min. of Mines
S. Krishnan
Secretary, MEITY

Dr. Ajit K Mohanty
Secretary, Dept of Atomic Energy
Dr. V.Narayanan
Chairman, Dept of Space

Dr. Samir V Kamat
Secretary, DRDO
Dr. M.Ravichandran
Secretary, MOES

Conference President

Dr. Sandip Ghosh Chowdhury, Director, CSIR-NML, Jamshedpur, INDIA

International Scientific Committee (Tentative)

Alexandre Chagnes, Univ Lorraine, France
Alafara A Baba, Univ Ilorin, Nigeria
Andrey Pavnov, RUSAL
Anna Kaksonen, CSIRO
Christian Adam, BAM, DE
Christina S. Franca, CETEM, Brazil
Corby Anderson, CSM, USA
Dana Blackman, India Brazil Chamber of Commerce
Eric D van Hullebusch, Université de Paris
Gabor Musci, University of Miskolc, Hungary
Gavin Harper, University of Birmingham, UK
Gracelin Baskaran, CM1, USA
Hongbo Zhao, CSU, China
Kerstin Forsberg, KTH, SE

Kristi Disney Bruckner, IRMA, USA
Lei Jiang, Institute of Geology and Geophysics, CAS
Mohan Chellishetty, Monash Univ, Australia
Nabeel A Mancheri, REIA, Belgium
Nagendra Tripathi, RioTinto
Pradip, Ex- TRDDC
Suresh Bhargava, RMIT, Australia
Sehlselo Ndlovu, Univ. of Arizona, USA
Temmujiin Jadamba, Mongolian Acad of Sci.
Sami Virolainen, LUT, Finland
Sarma V Pisupati, EMS, USA
Stuart Nicol, GLENCORE
Vivek Bhasin, BARC

National Advisory Committee (Tentative)

Alok Awasthi, BARC
Amarendu Prakash, SAIL
Anandaramkrishnan C, CSIR-NIIST
Anshoo Pandey, Min. of Mines
Anupam Agnihotri, JNARDDC
Anuttam Mishra, IREL
Arun Misra, VEDANTA
Asit Saha, GSI
Atanu Mukherjee, MN Dastur
B A Sawale, CPR1
B.C.Pathak, NPCIL
B.D.Pandey, Ex CSIR NML
B.P.Singh, NALCO
B.K.Mishra, IIT BBSR
B.S.Murthy, IITH
Bineesha Payyatti, DST-TDB/MRAI
Biplob Chatterjee, GEOVALE
C.G. Kharhadkar, IGCAR
CR. Borra, IIT Kharagpur
Chaitanya Bhanu, TATASTEEL

Chetan Prakash Jain, CEL
Dheeraj Pande, AMD
Dinesh Mahur, Min. of Mines
D.K.Singh, Ex-BARC
Farida Naik, Min. of Mines
Geethika Sharma, NMET
Gurdeep Singh, NTPC
Indra Dev Narayan, MECL
Indranil Manna, BIT Mesra
Indranil Chatteraj, Ex-Director, CSIR-NML
Jagdish Arora, NALCO
K Ramesha, CSIR-CECRI
K. Anand Rao, AMD-BARC
K. Balasubramanian, NFTDC
Kamachi Mudali, HBNI
Mohan Verma, Govt of India
Nikhil Dhawan, IIT Roorkee
Pradeep Kumar P, KMML
Prashant T Rojarkar, NMRL
R. Balamuralikrishnan, DMRL

R. Ratheesh, CMET
Rama Swami Bansal, CSIR-ISTAG
Ramanuj Narayan, CSIR-IMMT
S.B.Mohanty, IREL
S.K.Satpathy, UCIL
S.K.Singh, HCL
S.P.Mehrotra, IIT Gandhinagar
S.Srikanth, Ex-Director, CSIR-NML
Sadashiv Samantaray, KABIL
Shakeel Ahmed, Min of Mines
Shankar Venugopal, Mahindra Research Valley
Suddhasatwa Basu, IIT Delhi
Suman Mishra, Mahindra Last Mile Mobility
T. Sreenivas, Ex-BARC
V.M. Tiwari, CSIR-NEIST
Vilas Tathavadkar, HINDALCO

CRITMET 2025 Core Committee

Chairman: Dr. Sanjay Kumar

Convenor: Dr. Abhilash

Members

S. Sivaprasad S. K. Pal Sarmistha Sagar Sanchita Chakravarty Raghuvir Singh K. K. Sahu Pratima Meshram
Uday M Bhaskar Rao D. Mishra S. K. Sahu S. K. Nath J.S.Sharan Pankaj Kumar Bhola Azad

Organising Committee

A. Vidyadhar A.K.Meher Animesh Jana A.K.Upadhyay Abhijeet Mansingh B.Soren D.P.Sahoo Jhumki Hait
Krishna Kumar K. Gopalakrishna K. Sudhakar Rao M. Premkumar Mohammad Sadiq Madhumita Banerjee M. Malathi M.
Madan Nikhil Kumar N.S.Randhawa P.Bhattacharya Roshan Kumar Rohit B Meshram Rashmi Singla
Saurabh Shekar Shivendra Sinha Suman Tewari Satyajit Mukherjee Saikat Chatterjee Sudip Kundu Vinod Belwanshi

Call for Papers

KEY
BENEFITS

Why attend CRITMET 2025???

- Plenary Lectures by researchers of eminence
- Learn from international researchers
- Meet and grow your professional scientific network.
- Oral slots for Young Investigators (including Post-docs).
- Best oral & posters winners will receive a certificate and reward.

Abstract Submission:

Oral and poster presentation abstracts are invited on the conference themes below using the online abstract submission system. Your submission should be in the form of text, no more than 300 words long. If your abstract is accepted, it will be included in our online abstract link that will be distributed to all conference participants.

All abstracts will be reviewed by the Members of International and National Committee to ensure that the topic of the submission is consistent with the scope of the topics covered at the meeting. Once the abstracts are accepted, at least one of the authors must register for and present at the conference. Successfully submitted abstracts will be acknowledged with an electronic receipt including an abstract reference number, which should be quoted in all correspondence.

Conference deadlines

Abstract submission deadline	31.07.2025
Abstract acceptance	15.08.2025
Full Paper submission deadline	30.09.2025 (Conference Proceedings)

Publication Partners

Journals Consulted for Special Issues



Registrations

Early Booking Deadline : 31st July 2025

Category

Non-Indian (inc. VAT)

Early booking delegates

USD 550

Late booking delegates

USD 650

Students

USD 350

Category

Indian

Early booking delegates

INR 8,000 + GST @ 18%

Late booking delegates

INR 10,000 + GST @ 18%

Students

INR 5000 + GST @ 18%

The registration fee includes:

- Free Abstracts available online
- Proceedings in flash drive
- Attractive registration kit and freebies
- Ice-Breaker
- Refreshments, Lunch and Dinner
- Cultural Programs

Payment Methods

Payment for conference registrations and sponsorships can be made by credit card, online/SWIFT Transfers., Mastercard, Visa and American Express Accepted.

Account Details

Name of Account: DIRECTOR, CSIR-NML

Bank NAME: STATE BANK OF INDIA

Account Number: 30271713826

IFSC Code: SBIN0003329

SWIFT CODE: SBININBB164

UPI ID: NML3329@SB1

Sponsorships

Co-Organiser

- 1 Stall for exhibition
- INR 25 Lakhs+GST
- Logo in print and e-media
- Logo on Home Page
- 12 Complimentary delegates
- Provision of Special Session
- 1 Full Page Colour Ad



- INR 20 Lakhs+GST
- Logo in print and e-media
- 10 Complimentary delegates
- 1 Stall for exhibition
- 15 min Presentation
- 1 Full Page Colour Ad



- INR 15 Lakhs+GST
- Logo in print and e-media
- 8 Complimentary delegates
- 1 Stall for exhibition
- 10 min Presentation
- 1 Full Page Colour Ad



- INR 10 Lakhs+GST
- Logo in print and e-media
- 6 Complimentary delegates
- 1 Stall for exhibition
- 5 min Presentation
- 1 Full Page Colour Ad



- INR 7 Lakhs+GST
- Logo in Print & E-media
- 4 FREE delegates
- 1 Full Page Colour Ad



- INR 5 Lakhs+GST
- Logo in print & e-media
- 2 FREE delegates
- 1 Half Page Colour Ad

Gala Dinner



- Rs. 30,00,000+GST
- 8 Free Delegates
- Banner publicity

Conference Dinner



- Rs. 20,00,000+GST
- 7 Free Delegates
- Banner publicity

Cultural Program



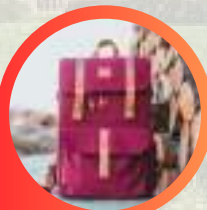
- Rs. 10,00,000+GST
- 4 Free Delegates
- Banner publicity

Conference Lunch



- Rs. 10,00,000+GST
- 4 Free Delegates
- Banner publicity

Conference Bag



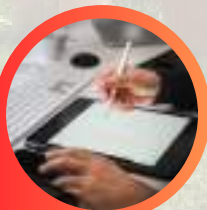
- Rs. 10,00,000+GST
- 4 Free Delegates
- Logo Printed inside Bag

Technical Session



- Rs. 3,00,000+GST
- 2 Free Delegates
- Banner publicity in Session

Conference Pad



- Rs. 1,00,000+GST
- 1 Free Delegate
- Printed on pad & watermark on pages

Conference Pen



- Rs. 1,00,000+GST
- 1 Free Delegate
- Name of Sponsor Printed on Pen

SOUVENIR

- A special souvenir will be unveiled during the Inaugural Function on November 6th 2025, at NML, Jamshedpur.
- This souvenir will be valuable resource, capturing key discussions, innovations, and collaborations shaping the future of critical metal research globally.
- All attendees will receive digital copies

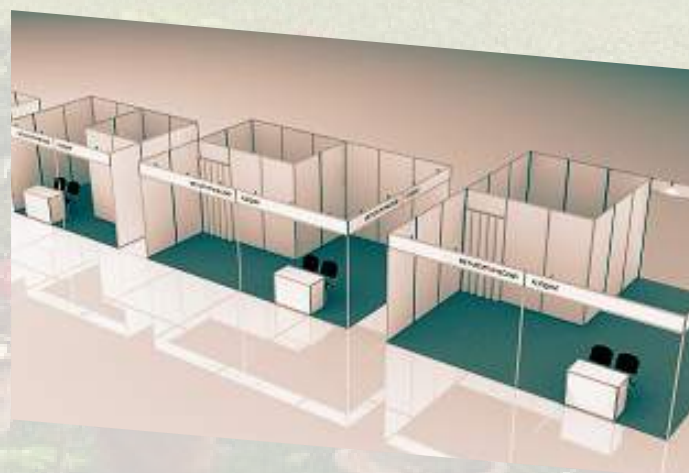
Category of Advertisement (Tariff in INR (excl. GST))

- Full Page BACK Colour (OUTSIDE) - 1,25,000
- Full Page BACK Colour (INSIDE) - 1,15,000
- Full Page FRONT Colour (INSIDE) - 1,15,000
- Full Page Colour (Inner leaf) - 55,000
- Full Page B/W (Inner Leaf) - 35,000
- Half Page Colour (Inner Leaf) - 40,000
- Half Page B/W (inner Leaf) - 25,000

CRITMET EXPO

A good advertising campaign including advertisements in the catalogue, exhibition guidebook, on billboards, as well as web announcements, presentations, etc. is half the battle. CRITMET-Expo management offers you a good opportunity to choose among a wide range of advertising options to promote your company among potential customers and to get the most of your participation in the exhibition of equipments, chemicals and new materials.

- Floor area- 5ftx7ftx7ft
- Carpet on floor
- Wall panels (standard)
- Fascia panels (standard)
- 2 chairs
- 1 waste basket
- Lettering on fascia panel (up to 9 char.)
- Spot lights (1 spot light per each fascia)
- Electrical sockets (5A,15A: 2 each)
- 1 extension 4 point spike board



The Charges for each unit exhibition module in the CRITMET-EXPO will be Rs. 3,00,000/- (GST included) for 3 full days, which includes coupons for lunch, dinner and a copy of souvenir for maximum 2 delegates



CRITMET Secretariat

Dr. Abhilash

Convenor, CRITMET 2025

C/o Metal Extraction and Recycling Division

CSIR-National Metallurgical Laboratory, Jamshedpur, Jharkhand 831007, INDIA

Tel: +91-657-2345274; +91-9431962767 Fax: +91- 657-2345213

Email: critmet.nml@gmail.com abhilash@nml.res.in abhibios@gmail.com

www.critmet.in