



तकनीकी पत्रिका विषय-सूची ***CURRENT CONTENT***

(Technical Journals)

(A Monthly Current Awareness Service from Technical Journals)

Vol. 09 No. 02, February 2025

The Central Library, IBM, Nagpur is subscribing the technical journals and also receiving them on complimentary basis on various subjects like Geology, Mining, Mineral Economics etc. These Technical Journals make up an important collection of latest scientific information. The library is rendering Reference Service to its users from these technical Journals (Article Indexing is one of them). Central Library, IBM provides Current Content Service from these technical journals in the name of "GEM" since 2006 on half yearly basis in print form. To expand this service to the IBM Offices all over India i.e. H.Q., Zonal & Regional Offices and to take a call of time, the Controller General, IBM desired to make this service online on monthly basis. The library staff made efforts to make it successful. This is the 2nd issue of Volume-9 for this service named "तकनीकी पत्रिका विषय - सूची" (**Current Content- A Monthly Current Awareness Service from Technical Journals**) Vol. 09 No.02, February, 2025.

It will be highly appreciated if the valuable feedback is reciprocated. If some article as per content list is found to be of use by the reader the same may be requested and the library will send the scanned copy of the article to the interested reader.

Mrs R S Wakode
Assistant Library & Information Officer
library@ibm.gov.in
0712-2562847

I N D E X

<u>S.No</u>	<u>Title</u>	<u>Page No</u>
1)	Minerals & Metals Review	03-07

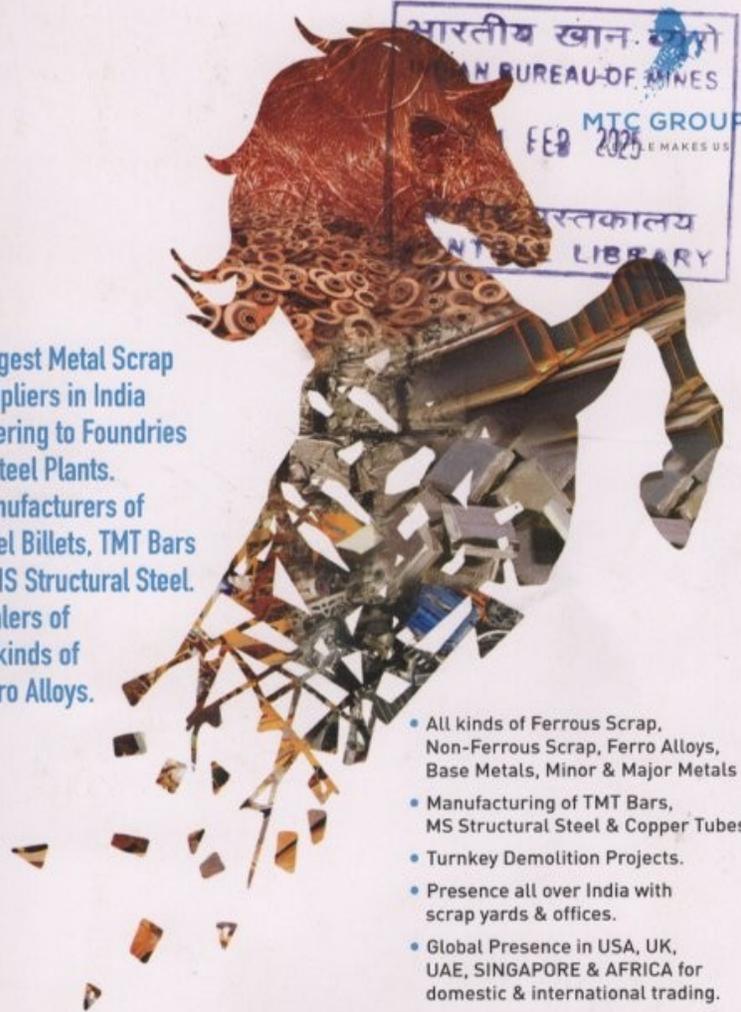


BRAJ BINANI GROUP

Minerals & Metals Review

VOLUME NO.51 ISSUE NO.01, JANUARY 2025
Price Rs. 400

Largest Metal Scrap suppliers in India catering to Foundries & Steel Plants. Manufacturers of Steel Billets, TMT Bars & MS Structural Steel. Dealers of all kinds of Ferro Alloys.

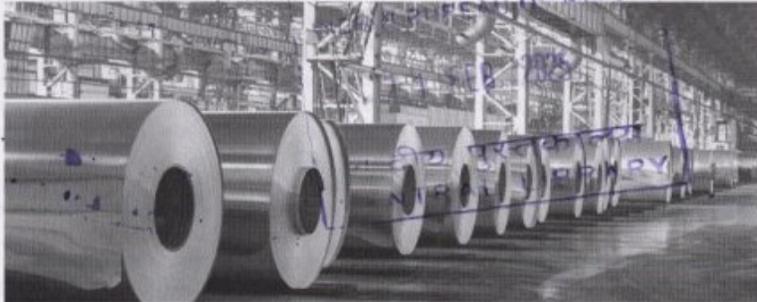


- All kinds of Ferrous Scrap, Non-Ferrous Scrap, Ferro Alloys, Base Metals, Minor & Major Metals
- Manufacturing of TMT Bars, MS Structural Steel & Copper Tubes.
- Turnkey Demolition Projects.
- Presence all over India with scrap yards & offices.
- Global Presence in USA, UK, UAE, SINGAPORE & AFRICA for domestic & international trading.
- Automobile Dealership of Toyota - 3S facility with 4 state-of-the-art showrooms in Mumbai.



Corporate Office: 401-404, Navkar Complex, Opp. Andheri Court, Court Lane, Andheri (East), Mumbai 400 069, INDIA.
+91-22-67872900 | info@mtcgroup.in | www.mtcgroup.in

Contents



Market Reports

- 12 Steel - Upcoming investments of US\$ 45-50 bn could be at risk of a slowdown amidst import surge
- 17 Aluminium - White metal plays with bulls; to hit Rs 260 per kg in near term
- 18 Copper - Electrifying the future: Red metal's pivotal role in energy transition
- 22 Zinc - Prices may decline in 2025 on increased supply
- 23 Lead - Battery material market faces volatility in 2024 amid oversupply, shifting demand
- 24 Nickel - Prices hit 4-yr low amid oversupply, weak China demand
- 27 Tin - Market set to face significant shortfall by 2028
- 28 Silver - Prices expected to rise over global economic condition, surge in demand for the metal
- 29 Bullion - Global CBs buying, policy easing & geopolitics help prices move up
- 30 Minor Metals - Shifting tides: Analyzing India's minor metals market in Dec 2024

In Conversation

- 33 Corrosion-free and future-ready: Transforming India with stainless steel innovation

Leaders Speak

- 35 Vedanta's Zinc Park: Pioneering Industrial Growth in Rajasthan
- 36 Forging India's growth: Steel as the backbone of progress
- 39 JSW Steel plays pivotal role in India's steel industry transformation
- 41 AM/NS India evolving through technological innovation, strategic investments in steel inds
- 46 Stainless steel set to play key role in India's affordable housing boom & infra growth
- 48 Birla Copper's bold leap: Pioneering growth, sustainability and global excellence

- 52 Innovative aluminium solutions for a greener energy sector

Metals Outlook

- 54 Global Economic Outlook and Metals Market in 2025
- 58 Steel Industry: Year-end musings
- 60 Copper set for more volatile moves in 2025 amid China's economic stress, Trump 2.0 policies

Market Trends

- 65 Global copper market forecast to reach new heights in 2024-2025
- 69 Critical battery raw materials to face supply-demand imbalance by 2030

Steel

- 72 FY'25 capacity utilisation of local steelinds poised to slip below 80% as cheap imports claw at market share

Stainless Steel

- 75 Consumption of stainless steel in India grew by about 11% over FY23: ISSDA



Contents

Copper

76 Copper: The backbone of India's infrastructure and economic growth

Aluminium

78 Issues & prospects of development of bauxite-alumina industry in India

Lead & Zinc

88 Lead & Zinc markets in India – An overview

Critical Minerals

92 Fostering strategic partnerships to secure access to critical minerals

Ferro Alloys

96 Indian ferro alloys inds plays pivotal role in the steel industry

Scrap

100 Indian shredded scrap prices likely to rise in 2025 amid steel demand

Coal

101 Indian coal industry – an overview and future outlook

Spotlight

107 Driving precision and efficiency: Renishaw's innovations paving the way for smart manufacturing

R&D

112 A study to improve the productivity of billet casters of an integrated steel plant

Mining

120 Mining in circular economy

Mining Equipment

125 bauma CONEXPO INDIA 2024: Redefining India's Infrastructure Vision

Decarbonization

129 Decarbonization in Indian mining

Sustainability Corner

135 Global AI inds GHG emissions intensity reduction continues with total emissions below 2020 peak

Energy Watch

136 Five charts that define the energy transition

Company Profile

138 Essel Mining plays a pivotal role in India's industrial growth

Product Profile

141 New portable digital hardness tester

Techno Track

143 Maximising metal recovery with DELKOR's new generation BQR flotation cells

Events

147 Successful ILZDA Lead Conclave 2024 at New Delhi

148 Unlocking the Future of Copper Production: ICDC Copper Conference 2025





BRAJ BINANI GROUP

Minerals & Metals Review

VOLUME NO.51 ISSUE NO.02, FEBRUARY 2025
Price Rs. 400

भारतीय खान ब्यूरो
INDIAN BUREAU OF MINES

पुस्तकालय
CENTRAL LIBRARY

35000+ OEMs choose reliability.

150+ years of innovation built by
experts, and trusted by them, too.




100+ Years of OEM
Partnerships


35000+ OEM
Recommendations


Best-in-Class
Lubrication Solutions



© 2025 ExxonMobil. All trademarks used herein are trademarks or registered trademarks of Exxon Mobil Corporation or one of its subsidiaries.

☎ 95132 28831

✉ mobil.b2b@exxonmobil.com

🌐 www.mobil.co.in

Scan now



Mobil™



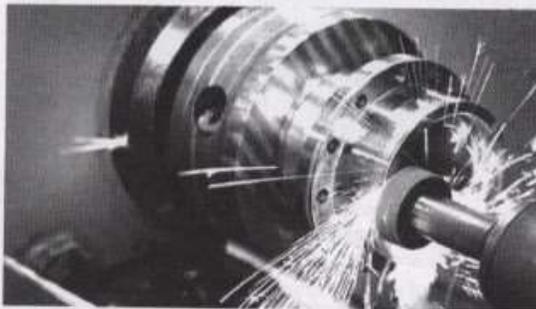
05 Market Reports

18 Budget View

Bolstering domestic mfg & value addition

22 Mining

Mining a cornerstone of India's industrial growth
Global mining sector need an estimated investment of \$1.7 trl for energy transition



25 Steel

India's forged and machined steel components industry – creating value

27 Iron Ore

Rise in steel production in India will need high quality iron ore
Iron ore pellets market to reach \$128.1 bn by 2035

33 Coal

Potentials of UG coal mining needs to be tapped for coal security

35 Critical Minerals

Global critical minerals initiatives: A sustainable path forward

41 Perspective

Global cooperation at a crossroads: Possibility amid rising geopolitical uncertainty

43 Techno Track

DRI Rising: The slow revolution in the steel industry

48 Product Profile

Unlocking operational excellence with Mobil™ lubrication solutions

52 Events

A new platform, new achievements at Metal China & Diecasting China 2025 event

54 Statistics

