

# JAMSHEDPUR CHLOROCEM EXPANDS EU MARKET SHARE WITH TIMELY **CBAM** COMPLIANCE

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Jamshedpur Chlorochem  
Pvt. Ltd.



**Case Study**



# Client Overview

Jamshedpur Chlorochem Pvt. Ltd. (JCPL), based in India, is a leading manufacturer of Low- and Extra Low-Carbon Ferro Chrome, with a production capacity of 3,600 TPA. Certified with ISO 9001, 14001, and 45001, and holding an Environment Clearance (EC) license from India's MoEF, JCPL supplies high-quality ferroalloys to major steel manufacturers, including exports to the European Union. The EU's Carbon Border Adjustment Mechanism (CBAM) introduced stringent emissions reporting requirements for ferrochrome, a critical input in steel production. To maintain its reputation for quality and sustainability while meeting CBAM regulations, JCPL partnered with Cleancarbon.ai, a trusted provider of CBAM compliance solutions.

# Business Challenges



- CBAM regulations required JCPL to accurately report Scope 1, 2, and 3 emissions for ferrochrome exports to the EU.
- Manual emissions tracking was resource-intensive.
- Risks included errors leading to fines, shipment delays, or reputational damage among environmentally conscious EU clients.
- JCPL needed a solution to:
  - Produce EU-compliant reports in XML and Excel formats.
  - Ensure audit readiness.
  - Maintain GDPR-compliant data handling.
- Aligning CBAM compliance with:
  - ISO 14001 environmental standards.
  - MoEF certification.
- Uphold their commitment to sustainability.



# Solutions Provided by Cleancarbon.ai

**Cleancarbon.ai delivered a tailored CBAM compliance solution for JCPL's ferrochrome production. Key components included:**

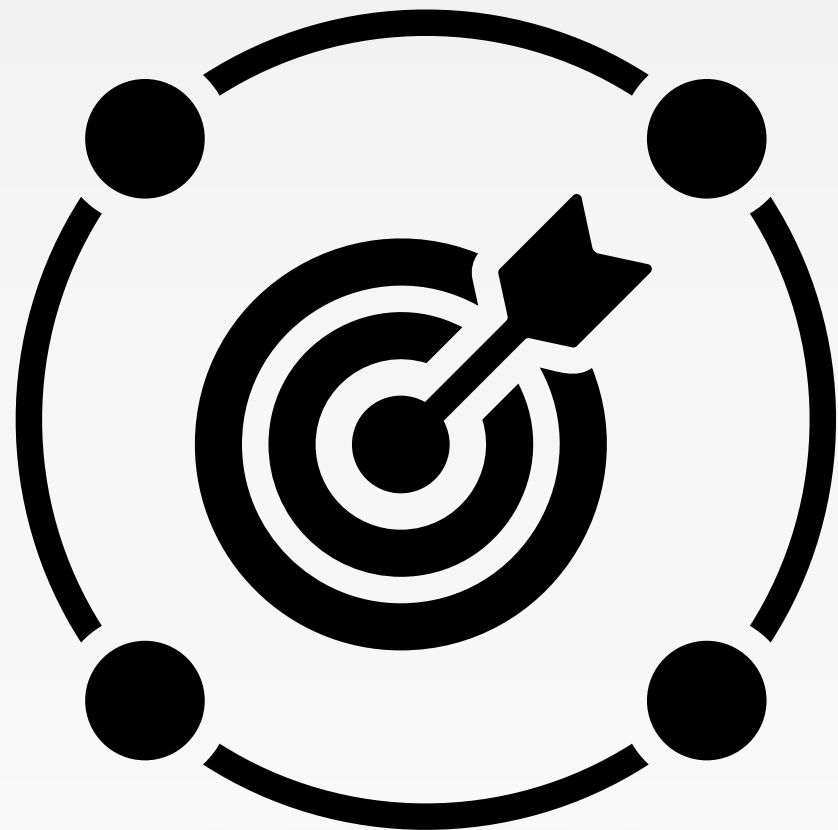
- **Expert CBAM Consulting:** Cleancarbon.ai's specialists conducted a detailed emissions analysis of JCPL's supply chain, focusing on ferrochrome production processes.
- **End-to-End Automation:** ERP-integrated tools automated emissions tracking, aligning with JCPL's modern computerized infrastructure.
- **EU-Ready Reporting:** Generated validated XML and Excel reports compliant with EU CBAM standards.
- **Real-Time Compliance Insights:** Provided dashboards for instant visibility into emissions, enabling proactive compliance management.
- **Audit Readiness:** Offered on-field support to ensure JCPL was prepared for EU audits, with GDPR-compliant data protection.

# Implementation



Over four months, Cleancarbon.ai implemented the solution in three phases. First, they integrated automated emissions tracking tools with JCPL's ERP systems, leveraging their state-of-the-art laboratory data for accuracy. Second, they trained JCPL's team, including their qualified chemists, to use real-time compliance dashboards. Third, Cleancarbon.ai produced and validated CBAM reports for EU submission, with ongoing consultations to align with JCPL's ISO 14001 and MoEF standards. Field support ensured audit preparedness.

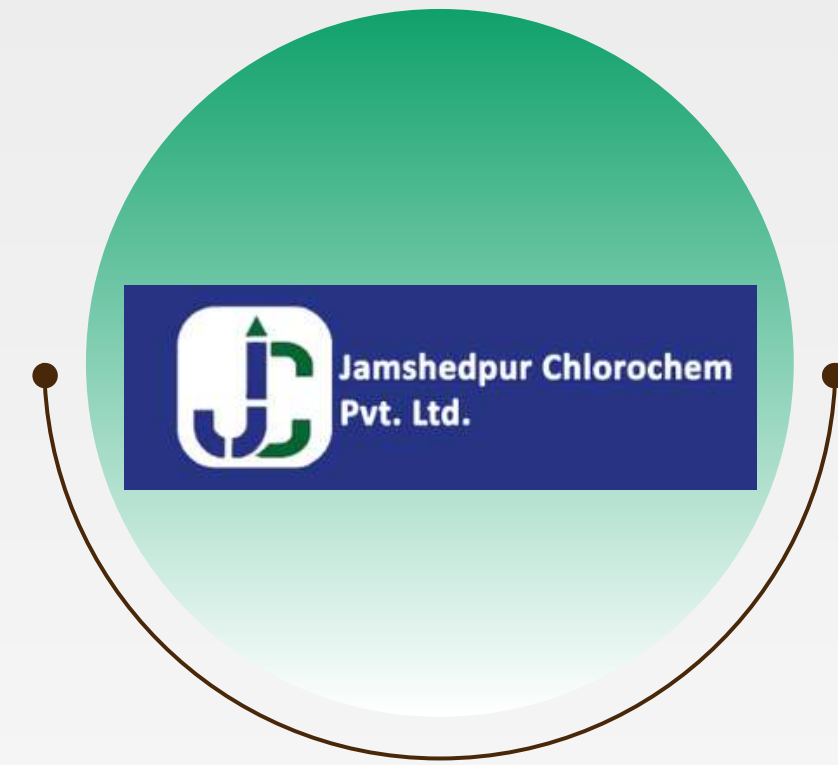
# Result



- **Cost Savings:** Reduced CBAM reporting costs by 38% through automation, allowing JCPL to focus on production.
- **Full Compliance:** Achieved 100% on-time submission of EU-compliant reports, avoiding penalties and delays.
- **Sustainability Leadership:** Reinforced JCPL's environmental credentials in EU markets, aligning with their ISO 14001 and MoEF certifications.
- **Operational Efficiency:** Freed up resources for JCPL's team to prioritize quality production and innovation.
- **Audit Success:** Passed EU audits seamlessly, supported by validated reports and GDPR-compliant processes.

# Client Testimonial

CleanCarbon.ai simplified our CBAM compliance, ensuring full regulatory adherence while achieving cost savings. Their expert solutions enhanced our reputation as a trusted ferrochrome supplier in the EU and aligned with our sustainability goals. We highly recommend CleanCarbon.ai for exporters seeking reliable and affordable compliance assistance.



**Jamshedpur  
Chlorochem Pvt.  
Ltd.**

# Conclusion

With Cleancarbon.ai's support, Jamshedpur Chlorochem Pvt. Ltd. achieved seamless CBAM compliance, enhancing their position as a trusted ferrochrome supplier in the EU. Cleancarbon.ai's automated, expert-driven solutions delivered cost savings, regulatory adherence, and sustainability alignment. For exporters navigating CBAM, Cleancarbon.ai offers a reliable, affordable path to compliance. Visit Cleancarbon.ai to book a consultation and simplify your CBAM journey.



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