



MANUFACTURING, SUPPLYING & EXPORTING
CRGO PRODUCTS

ABOUT US

At JAAS Steel Industries Pvt. Ltd., we are driven by a powerful vision—to energize the future through precision-engineered solutions for the transformer industry. Established in 2016 under the sharp and visionary leadership of Mr. Ajay Giri and Mr. Anand Giri, the company began its journey with just three dedicated professionals. Today, JAAS has grown into a formidable force with over 100+ skilled team members, setting benchmarks in quality, innovation, and reliability.

What began as a modest initiative has now evolved into India's leading manufacturer and supplier of CRGO transformer cores, serving some of the most respected names in the power sector. With a strong foundation rooted in excellence, we offer a wide range of products including:

- 🏗️ Power & Distribution Transformer Laminations
- 🏗️ CRGO Slit Coils
- 🏗️ Assembled Transformer Cores
- 🏗️ CRGO & CRNO Coil Trading

Our state-of-the-art manufacturing facility is equipped with advanced machinery, allowing us to meet global standards while delivering customized solutions tailored to client needs.

At JAAS, we are more than just a manufacturing company—we are a values-driven organization built on authenticity, transparency, and trust. We believe that honest communication and responsible business practices form the bedrock of long-term relationships with our clients and partners.

As an ISO 9001:2015 certified company, we take pride in our uncompromising commitment to quality, continuous improvement, and customer satisfaction.

From humble beginnings to industry leadership, our journey is a testament to what's possible when purpose meets performance. With unwavering focus, JAAS Steel Industries Pvt. Ltd. continues to illuminate the path forward—powering the transformers that power the world.



Core Values



Integrity – Our Foundation of Trust

At JAAS Steel Industries Pvt. Ltd., integrity isn't just a principle—it's the foundation of everything we do. We believe that how we conduct ourselves is just as important as what we accomplish. That's why we are committed to acting with unwavering honesty, transparency, and ethical responsibility in every decision and every relationship.

We hold ourselves accountable—to our team, our clients, our partners, and the communities we serve. We respect the world we operate in, beginning with full compliance with all legal and regulatory standards, and extending to fair practices and responsible governance.



Innovation – Continuous Improvement

At JAAS Steel Industries Pvt. Ltd., innovation is the engine that drives our evolution. We embrace change, challenge convention, and constantly seek smarter, more efficient ways to serve our clients and strengthen our operations.



Customer Commitment

At JAAS Steel Industries Pvt. Ltd., our customers are the core of our purpose and the compass guiding our journey. We believe that our success is defined by their satisfaction—and their trust is the ultimate reward.

Every product we craft, every process we refine, and every decision we make is aimed at delivering excellence that not only meets expectations, but exceeds them. We strive to create experiences that delight our customers—every time, without exception. By listening closely, responding swiftly, and delivering consistently.



Ownership Mindset

We believe the success and reputation of the company is paramount. Having an ownership mind-set is fundamental to our existence. It creates a sense of inspiration and purpose. It enables accountability and accomplishment. It ensures our strong commitment to the highest standards of safety and environment.



Quality – Our Promise, Our Pride

At JAAS Steel Industries Pvt. Ltd., quality is not just a benchmark—it is our unwavering promise. From sourcing the finest materials to executing precision-driven manufacturing, we uphold the highest standards at every stage of our operations.

As an ISO 9001:2015 certified organization, we are deeply committed to excellence, consistency, and continuous improvement. Our processes are rigorously monitored, our teams are expertly trained, and our products are built to perform—flawlessly, reliably, and safely.

For us, quality is more than a deliverable. It is the pride we put into our work, and the confidence we offer to every customer.



Excellence – In Everything We Do

At JAAS Steel Industries Pvt. Ltd., excellence is not just an aspiration—it's a way of life. We hold ourselves to the highest standards, believing that every action, every idea, and every outcome can always be improved. Because for us, excellence is not a destination—it's a continuous journey.



Teamwork – Together we Achieve More

At JAAS Steel Industries Pvt. Ltd., we believe that collaboration is the cornerstone of every success story. We value the unique strengths, perspectives, and contributions of every individual—and when we work together, we unlock our true potential.

Our culture is built on mutual respect, open communication, and shared goals, empowering teams to innovate, solve challenges, and deliver outstanding results. We support one another, celebrate collective achievements, and grow as one unified force. **Because at JAAS, it's not just about working together—it's about winning together.**



Respect – The Foundation of Our Culture

At JAAS Steel Industries Pvt. Ltd., respect is deeply embedded in everything we do—from how we treat our people to how we engage with our clients, partners, and communities. We recognize the inherent dignity, diversity, and value of every individual. **Respect builds relationships—and strong relationships build enduring success.**

Why Choose

JAAS Steel Industries Pvt. Ltd.

Expertise – Crafting with Precision

With over a decade of focused industry experience, brings deep technical knowledge and practical insight into every project. Our leadership team and skilled workforce understand the nuances of CRGO and transformer core manufacturing—delivering solutions that are both reliable and forward thinking.

Quality Assurance - Every time

Quality is non-negotiable. Every product undergoes strict inspection and testing, backed by our ISO 9001:2015 certification and state-of-the-art infrastructure. From raw material to final dispatch, we ensure consistent excellence—every time. **Because quality isn't just a promise—it's our identity.**

Customer Focus – Growing Together

We don't just aim to supply products—we strive to become a lasting part of our customers' success stories. Our focus is on building enduring partnerships, understanding evolving needs, and delivering solutions that contribute meaningfully to their growth. **Your growth is our goal—today, tomorrow, always.**

Competitive Pricing - Create Differences

At JAAS Steel Industries Pvt. Ltd., we offer high-quality products at industry-competitive prices. Our efficient processes and in-house capabilities help us deliver exceptional value—without ever compromising on quality or service. **Premium quality, smart pricing—that's the JAAS advantage.**

PRODUCTS WE OFFERED

CRGO Mother Coil



JAAS Steel Industries maintains an inventory of CRGO steel mother coils sourced exclusively from Bureau of Indian Standards (BIS)-approved mills or their authorized distributors to fulfil customer orders.

All incoming CRGO wide coils are subject to rigorous quality control measures within our testing laboratory and throughout the manufacturing process.

Available grades at JAAS Steel Industries :

23HP75D	23HP80D	23HP85D	23HP90D	23HP95D	27HP90	23HP100
27HP100	27HP110	27CG120	27CG130	27CG140	30CG120	30CG130

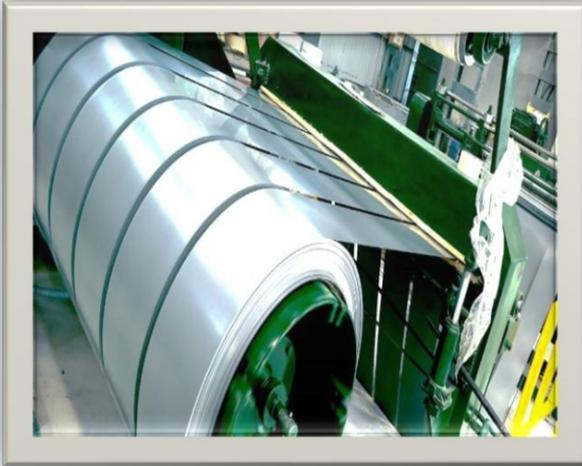


CRGO Slit Coil

JAAS Steel Industries offers the complete range of CRGO Slit Coils of precise widths ranging from 20 mm to 1250 mm for both small-and large-scale transformer applications.

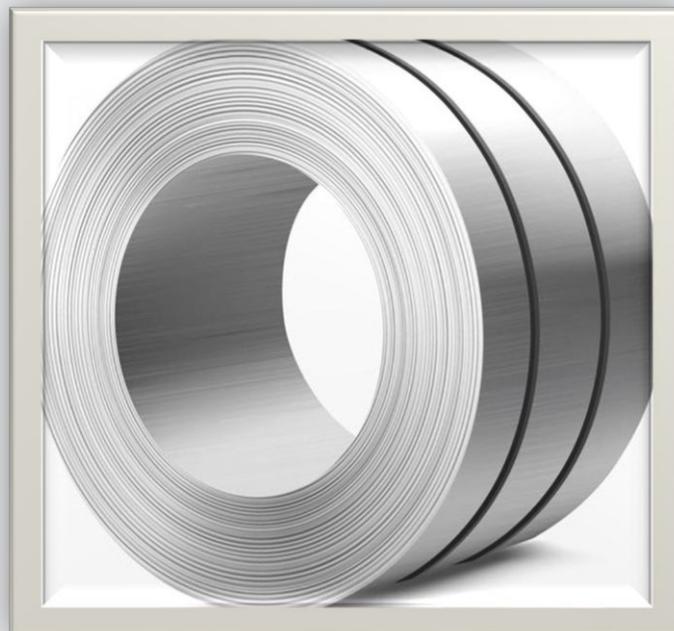
Our CNC Slitting line with a carbide cutter ensures top-quality results with perfect accuracy. **Our Maximum Burr Level Limit is less than 10 Microns**

Available grades at JAAS Steel Industries :



Here are some Technical Specifications of JSI Slit coils :

Thickness:	0.23mm to 0.30 mm
Width:	20mm to 1250 mm
Burr Tolerance:	< 10 Micron
Packaging:	We are providing 3 layers of protective packing to slit coils to prevent damage and rusting during handling and transportation



CRGO Cut Lamination

JAAS Steel Industries capacity to provide C.R.G.O Transformer Laminations for power & distribution Transformers up to 50 MVA as per customer's drawing or specifications.

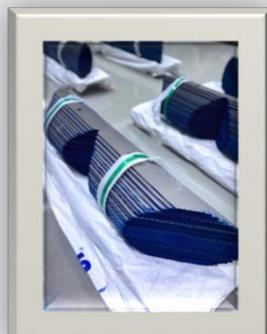
Our infrastructure is well equipped with Cut-to-length advance machinery for the Slitting and Cutting Lamination for Distribution & Power transformers (No constraint of length/width) with

- 45-degree mitred design or Rectangular Design
- V-notch
- Double-hole punch
- Tip cut units

We always strive hard for crucial quality checks of burr level, stack height, dimension and required weight that enhance transformer efficiency and performance as high degree of precision required to manufacture transformer lamination.

We have facilities for processing laminations having varying features viz: Hole punching, tip cutting, V notching and also having programmers to manufacture laminations of all possible shapes and sizes for making Power Transformer cores in:

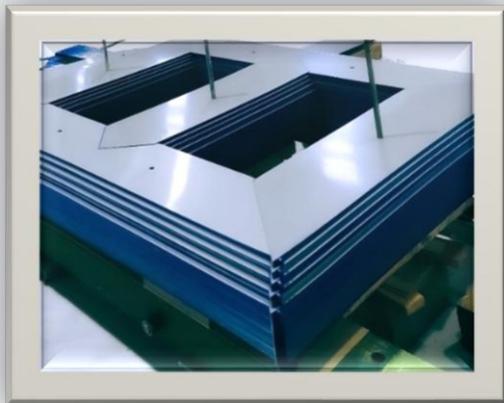
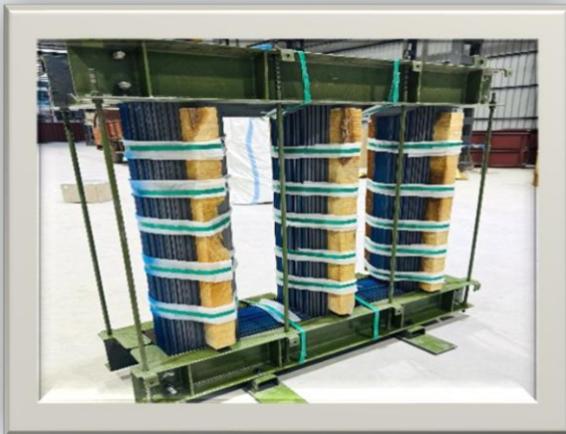
- Vertical Step Lap Design with option of 5/6/7 steps
- Horizontal Step Lap Design with option of 5/6/7 steps
- Overlap Design
- Conventional Design
- Reactors
- Shunt Core



Assembled Core

We offer “Assembled Core (Lamination core to Assembled Core)” up to 10 MVA. Assemblies are prepped for seamless insertion of Low Voltage (LV) and High Voltage (HV) coils, marking a critical stage in transformer manufacturing.

The core is specially designed for low watt loss. Highest grade steel is used for the core construction. Best possible core forming techniques are formulated for better result. With a focus on precision and careful handling, we ensure high reliability and superior performance in every core assembly



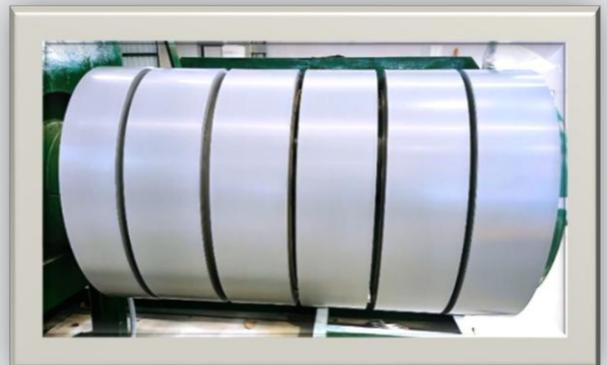
PROCESS & FACILITIES

SLITTING PROCESS

Slitting is the heart of the whole manufacturing process and it should be tuned with fine accuracy and high-quality standard. Therefore, our ultra-modern slitting lines are well equipped with tungsten carbide cutters for the precise slitting.

Features:

- ✚ Can process CRGO for the thickness from 0.18 mm to 0.50 mm
- ✚ Slit width: 20 mm to 1200 mm
- ✚ Weight : mother coil weight upto 10 MT
- ✚ Burr Level max 10 Microns



CUTTING PROCESS

Operations :

At JSI, quality control checks are conducted throughout the Lamination manufacturing process on every machine and quality records are maintained separately. The Laminations are checked for Edge Burrs, Width, Camber, Thickness, Stack Thickness, Wave Factor, etc., which have to be in accordance with the respective least measurements done by various measuring devices

- ✚ V- notching
- ✚ Multiple hole punching and offset holding facility
- ✚ Horizontal, Vertical, and Conventional drawing cutting facility

- Features :**
- ✚ Maximum Length : 5000 mm
 - ✚ Width : Minimum 40 mm & Maximum 1000 mm



Standard Tolerance for CRGO Lamination / CRGO Slit Coil

Sr. No.	Characteristics	Acceptance Limit / Criteria
1	Thickness (in mm)	0.23 mm to 0.35 mm (± 0.025 mm)
2	Width (in mm)	Up to 100 mm (+/- 0.15) 100 to 130 mm (+/- 0.20) 230 to 380 mm (+/- 0.25) 380 to 580 mm (+/- 0.40) 580 and above (+/- 0.50)
3	Length (in mm)	Up to 350 mm (+0.00 / -0.30) From 350 to 1000 mm (+0.00 / -0.60) From 1000 to 2000 mm (+0.00 / -1.00) From 2000 and above (+0.00 / -2.00)
4	Edge Burr (in micron)	thickness upto 0.23 mm (10 micron) from 0.27 to 0.30 mm (10 micron) for 0.35 mm (15 micron)
5	Angle (in minute)	± 5 minutes
6	Edge camber (in mm)	For the material with a width greater than 150 mm, edge camber should not exceed 0.90 mm for a length 2 meter
7	Wave Factor (i.e. Deviation from flatness)	For the material with a width greater than 150 mm, the deviation from flatness expressed as a percentage should not exceed 1.5%
8	Bowing / Residual Curvature (Coil / Lamination)	For the material Min. 280 mm long & 20 mm wide strip bowing should not exceed 1.00 mm
9	Stack thickness of individual stack except centre step unclamped	+1 / -0 mm

Quality Norms for Raw Material

Sr. No.	Tests	Acceptance Norms
1	Density	7.65 gm/cm ³
2	Surface Insulation Resistivity Test as per Franklin Test Method	Min. 10 Ohm/sq cm on Franklin Tester or current should be 0.4Amp for better insulation coating
3	Stacking Factor	For Thickness 0.23 mm (94.5%) 0.27 (95.0%) 0.30 (95.5%) 0.35 (96.0%)
4	Ductility Test / Bend Test	For Class-3 Rating, Fracture @ Min. 3 bends 0 -180° Bending of sample
5	Core loss Test (By Epstein Test Method)	Watt / kg at specific Flux Density for Different Grades from coils (At start & end of the coil)
6	AC Magnetization @ 800 A/m in Tesla	Min 1.75 T @ 800 A/M & 50 HZ for conventional grade Min 1.85 T @ 800 A/M & 50 HZ for High Permeability grade

SOURCE : IS:3024, IS:649, IEC:60404

Flux Density v/s Losses (in watt/kg @ 50 HZ)

F.D (T)	30CG130	27CG120	27HP110	27HP100	23CG110	23HP95D	23HP90D	23HP85D	23HP80D
1.30	0.75	0.68	0.58	0.54	0.56	0.51	0.48	0.44	0.41
1.31	0.76	0.69	0.59	0.55	0.57	0.52	0.49	0.45	0.42
1.32	0.77	0.70	0.60	0.56	0.58	0.53	0.50	0.46	0.43
1.33	0.77	0.70	0.60	0.56	0.58	0.53	0.50	0.46	0.43
1.34	0.78	0.71	0.61	0.57	0.59	0.54	0.51	0.47	0.44
1.35	0.79	0.72	0.62	0.58	0.60	0.55	0.52	0.48	0.45
1.36	0.80	0.73	0.63	0.59	0.61	0.56	0.53	0.49	0.46
1.37	0.81	0.74	0.64	0.60	0.62	0.57	0.54	0.50	0.47
1.38	0.81	0.74	0.64	0.60	0.62	0.57	0.54	0.50	0.47
1.39	0.82	0.75	0.65	0.61	0.63	0.58	0.55	0.51	0.48
1.40	0.83	0.76	0.66	0.62	0.64	0.59	0.56	0.52	0.49
1.41	0.84	0.77	0.67	0.63	0.65	0.60	0.57	0.53	0.50
1.42	0.85	0.78	0.68	0.64	0.66	0.61	0.58	0.54	0.51
1.43	0.85	0.78	0.68	0.64	0.66	0.61	0.58	0.54	0.51
1.44	0.86	0.79	0.69	0.65	0.67	0.62	0.59	0.55	0.52
1.45	0.87	0.80	0.70	0.66	0.68	0.63	0.60	0.56	0.53
1.46	0.88	0.81	0.71	0.67	0.69	0.64	0.61	0.57	0.54
1.47	0.89	0.82	0.72	0.68	0.70	0.65	0.62	0.58	0.55
1.48	0.89	0.82	0.72	0.68	0.70	0.65	0.62	0.58	0.55
1.49	0.90	0.83	0.73	0.69	0.71	0.66	0.63	0.59	0.56
1.50	0.91	0.84	0.74	0.70	0.72	0.67	0.64	0.60	0.57
1.51	0.93	0.86	0.76	0.72	0.74	0.68	0.65	0.62	0.59
1.52	0.95	0.88	0.78	0.73	0.76	0.70	0.66	0.64	0.60
1.53	0.97	0.89	0.79	0.75	0.78	0.71	0.67	0.66	0.61
1.54	0.99	0.91	0.81	0.76	0.80	0.73	0.69	0.65	0.62
1.55	1.01	0.93	0.83	0.78	0.82	0.74	0.70	0.66	0.64
1.56	1.03	0.95	0.85	0.79	0.83	0.75	0.71	0.67	0.65
1.57	1.05	0.97	0.87	0.81	0.85	0.77	0.72	0.68	0.66
1.58	1.07	0.98	0.88	0.82	0.87	0.78	0.74	0.69	0.67
1.59	1.09	1.00	0.90	0.84	0.89	0.80	0.75	0.70	0.68
1.60	1.11	1.02	0.92	0.85	0.91	0.81	0.76	0.72	0.69
1.61	1.12	1.04	0.94	0.87	0.93	0.82	0.77	0.73	0.70
1.62	1.14	1.06	0.96	0.88	0.95	0.84	0.79	0.74	0.71
1.63	1.16	1.07	0.97	0.90	0.97	0.85	0.80	0.75	0.72
1.64	1.18	1.09	0.99	0.91	0.99	0.87	0.81	0.76	0.73
1.65	1.20	1.11	1.01	0.93	1.01	0.88	0.82	0.77	0.75
1.66	1.22	1.13	1.03	0.94	1.02	0.89	0.84	0.78	0.76
1.67	1.24	1.15	1.05	0.96	1.04	0.91	0.85	0.80	0.77
1.68	1.26	1.16	1.06	0.97	1.06	0.92	0.86	0.81	0.78
1.69	1.28	1.18	1.08	0.99	1.08	0.94	0.87	0.82	0.79
1.70	1.30	1.20	1.10	1.00	1.10	0.95	0.89	0.83	0.80
1.72	1.37	1.27	1.14	1.04	1.15	0.99	0.90	0.88	0.82
1.74	1.44	1.34	1.20	1.09	1.20	1.04	0.94	0.92	0.87
1.76	1.51	1.43	1.25	1.14	1.26	1.07	0.97	0.98	0.90
1.78	1.58	1.51	1.32	1.21	1.33	1.16	1.02	1.03	0.95
1.80	1.65	1.60	1.37	1.29	1.40	1.22	1.06	0.10	1.00

Grades are mentioned as per Bureau of Indian Standard (BIS). These results are measured at JAAS STEEL INDUSTRIES PVT. LTD. Testing Laboratory & Values are for reference only.

QUALITY POLICY

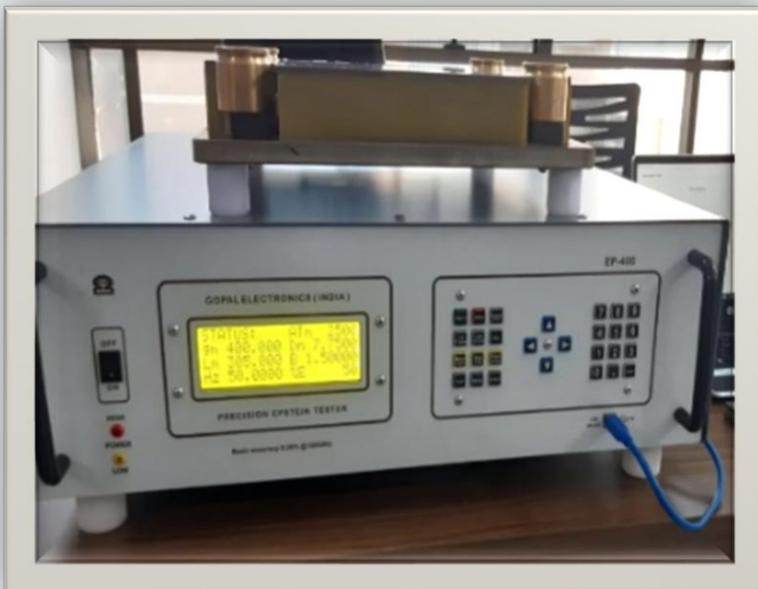
At JAAS STEEL INDUSTRIES PVT LTD, we are committed to delivering superior products and services that consistently meet or exceed our customers' expectations. Our dedication to quality drives every aspect of our operations, ensuring reliability, innovation, and value. We achieve this through:

- 1. Customer-Centric Excellence:** Prioritizing customer needs and delivering solutions that inspire trust and satisfaction.
- 2. Uncompromising Standards:** Adhering to rigorous processes and industry regulations to ensure flawless outcomes.
- 3. Continuous Improvement:** Constantly refining our practices through feedback, innovation, and data-driven insights.
- 4. Empowered Teams:** Equipping our employees with the tools, training, and accountability to uphold our quality promise.

We pledge to maintain a culture of quality, integrity, and sustainability, fostering long-term partnerships with our stakeholders and driving excellence in all we do.

EPSTEIN TESTER

As a certified ISO 9001:2015 manufacturer of transformers, JAAS Steel Industries Pvt Ltd. is known for its trustworthiness. We are committed to comply with the requirements of the quality system that we have created to make our products and services to satisfy our customers.



EPSTEIN TESTER

Certificate for Quality Commitment

SCHEDULE	
अनुसूचता का प्रमाण पत्र संख्या	: 7100095508
नाम	: जस स्टील इंडस्ट्रीज प्राइवेट लिमिटेड
फैक्ट्री पतेस	: प्लॉट नं-125, पोर, सनराइज इलेक्ट्रिकल इंडस्ट्रीज, रमनगाम्डी औइंडस्ट्रीअल एरिया, जीआईडीसी, पोर-391243 वडोदरा, गुजरात
वैधता	: तेरह फरवरी दो हजार पच्चीस से बारह फरवरी दो हजार छब्बीस तक
Certificate of Conformity No	: 7100095508
NAME	: JAAS STEEL INDUSTRIES PVT. LTD.
FACTORY ADDRESS	: PLOT NO- 125, POR, SUNRISE ELECTRICAL INDUSTRY, RAMANGAMDI OINDUSTRIAL AREA, GIDC, POR - 391243, VADODARA, GUJARAT
Validity From	: From Thirteenth February Two Thousand Twenty Five to Twelfth February Two Thousand Twenty Six
Product	Scope of certificate of conformity
(1)	(2)
COC 1 : 2020	आईएस 3024:2015 के अनुसार आईएसआई मार्क येन ओरिएटेड इलेक्ट्रिकल स्टील ते बने ट्रांसफॉर्मर के लैमिनेशन और कोर (वाइडिंग के बगैर)
ट्रांसफॉर्मरों की स्टैम्पिंग/ लैमिनेशन/कोर (वाइडिंग के साथ और बिना)	
COC 1 : 2020	Laminations /Stamping /Cores of transformers (without winding) made from ISI Marked Grain Oriented Electrical Steel Sheet and Strip as per IS 3024:2015
Stampings/ laminations/cores of transformers (with or without winding)	
<p>सज 19 फरवरी दो हजार पच्चीस को हस्ताक्षरित तथा मोहरबंद किया गया। Signed, Sealed and Dated this 19 February Two Thousand Twenty Five</p> <p style="text-align: right;">  एस के सिंह / S K Singh वरिष्ठ निदेशक, IIT प्रमर्श, Senior Director </p> <p style="text-align: center;"> कृते भारतीय मानक ब्यूरो for BUREAU OF INDIAN STANDARDS </p>	

Certificate Of Conformity

MANAGEMENT SYSTEM CERTIFICATE	
 	
This is to certify that	
AAS STEEL INDUSTRIES PRIVATE LIMITED PLOT NO. 125, POR, SUNRISE ELECTRICAL INDUSTRY, RAMANGAMDI INDUSTRIAL AREA, GIDC POR, VADODARA - 391243, GUJARAT, INDIA.	
Has been assessed by RAPL and found to comply with the requirements of	
ISO 9001 : 2015 Quality Management Systems	
For the following activities:	
PROCESSING/MANUFACTURING OF CRGO TRANSFORMER LAMINATIONS, TRANSFORMER CORE ASSEMBLY, CORE COIL ASSEMBLY, WOUND CORES, TOROIDAL CORES, EXPORT-LOCAL TRADING OF CRGO, CRNGO COILS, SLIT COILS.	
Certificate Number: E20250117616 Date of certification: 27/01/2025 1st Surveillance on or before: 26/01/2026 11nd Surveillance on or before: 26/01/2027 Certification Valid Until: 26/01/2028	
	
 	
Director (Certification) Royal Assessments Pvt. Ltd. 623 A, Tower-B, IThum, Plot No. A-40, Sector-62, Noida 201301, India www.royalapl.com, info@royalapl.com Phone: +91 120 4251329 This Certificate can be verified at www.liaqatsearch.org	

QMS Certificate



Contact Us



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www.jsipl.co.in

Thank You!