



FAIR — Facility for Antiproton and Ion
Research in Europe



HIND RECTIFIERS LTD

PERFECTLY ENGINEERED POWER
CONVERSION SYSTEMS

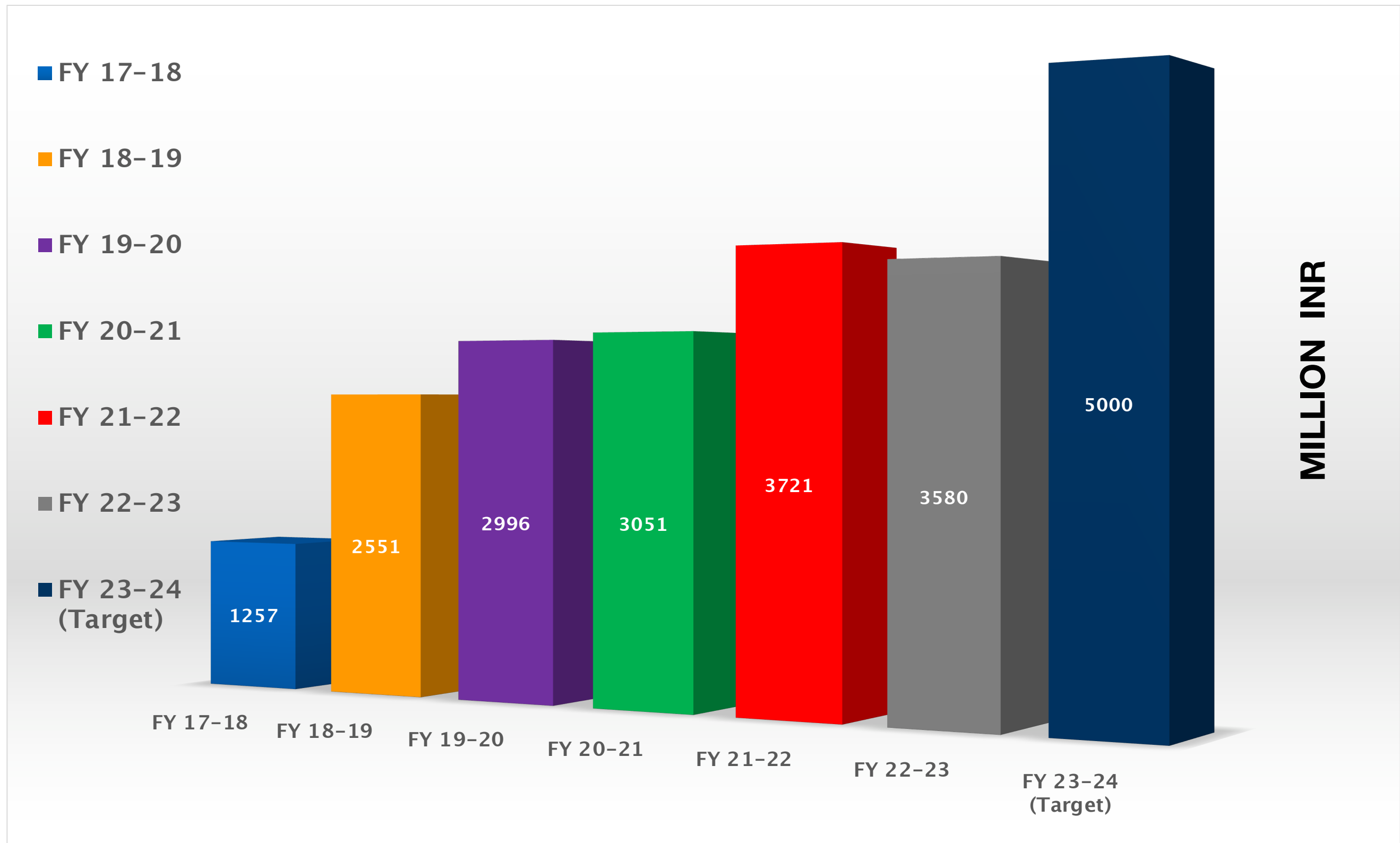
FAIR INDUSTRY MEET
12-13 APRIL 2023,
BOSE INSTITUTE, KOLKATA

HIRECT: Established in 1958



1958	Established in collaboration with Westinghouse, Brake & Signal (UK)
Public Listed	Bombay Stock Exchange (BSE) National Stock Exchange (NSE)
Manufacturing Units	Mumbai, Dehradun, Nasik (Satpur) and Nashik (Sinnar)
Office Locations	Mumbai, Kolkata, Delhi, Chennai, Lucknow International: Bollnäs (Sweden)
Verticals	Railways Industrial: Atomic Energy, Defence

HIRECT: Growth in last 6 years



CAGR OF ~30% IN LAST 6 YEARS

HIRECT: Present Status



Total Employees	800+ Employees
Active R&D Projects	20 (14 Railways)
R&D Team	80 Engineers
Service Team	120 Engineers

HIRECT: Certifications



Bureau Veritas Certification

Certification Awarded to

HIND RECTIFIERS LTD

LAKE ROAD, BHANDUP, MUMBAI - 400 078, MAHARASHTRA, INDIA

Bureau Veritas Certification have issued this appendix to the Certificate of Approval awarded to the above named supplier

Certificate No.: **IN042254**

Standards

BS EN ISO 9001:2015

EN 9100 : 2018

(Technically equivalent to AS9100D)

Site Name/Location	Site Address	Site Scope
HIND RECTIFIERS LIMITED	PLOT NO 110 / 111, E - 16 ROAD, MIDC, SATPUR NASHIK - 422 007, MAHARASHTRA, INDIA	MANUFACTURING AND SUPPLY OF POWER ELECTRONICS PRODUCTS FOR AEROSPACE
HIND RECTIFIERS LIMITED	LAKE ROAD, BHANDUP, MUMBAI - 400 078, MAHARASHTRA, INDIA	DESIGN AND DEVELOPMENT OF POWER ELECTRONICS PRODUCTS FOR AEROSPACE

Certified for Aerospace AS 9100D

ISO 9001:2015

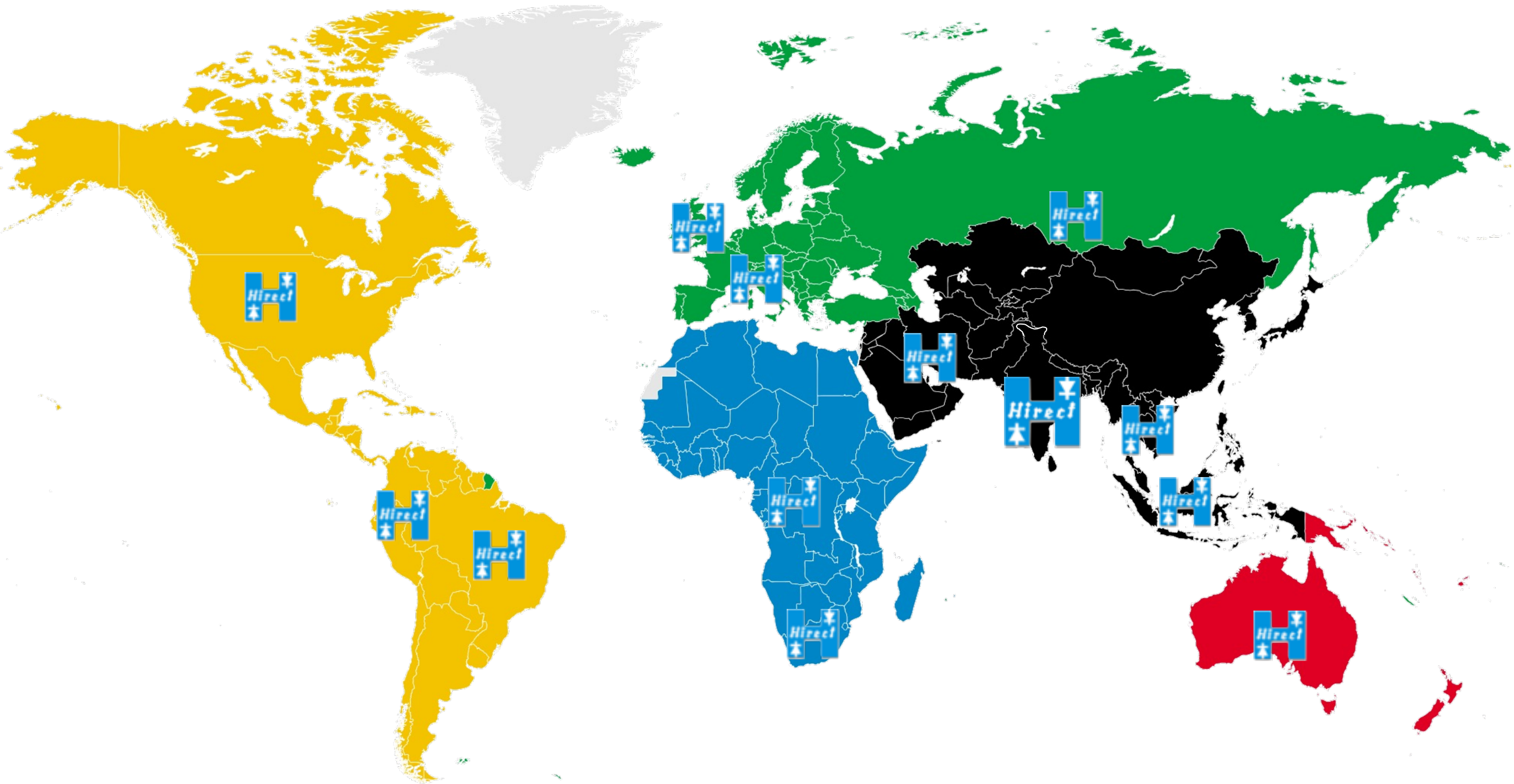
Defense Research and Development Organization (DRDO)

Conformite Europeenne (CE) for Industrial Products

International Railway Industry Standard (IRIS) for Railway Products

दूरभाष /Tel:040 - 2418 8075/8370 फॅक्स /Fax :040 - 2434 2603 E-mail: dcmmasl.asl@gov.in			भारत सरकार, रक्षा मंत्रालय Government of India, Ministry of Defence रक्षा अनुसंधान एवं विकास संगठन Defence Research & Development Organisation उन्नत प्रणाली प्रयोगशाला ADVANCED SYSTEMS LABORATORY डॉ .ए.पी.जे .अब्दुल कलाम प्रक्षेपास्त्र समष्टि Dr. A.P.J. Abdul Kalam Missile Complex कंचनबाग ब्राकघर, हैदराबाद - 500 058 PO Kanchanbagh, Hyderabad - 500 058
Ref. No.ASL/DCMM/VR/2022-23/M01/054		Date 01 July 2022	
To M/s. HIND RECTIFIERS LIMITED, GROUND FLOOR, LAKE ROAD, BHANDUP, WEST MUMBAI, MUMBAI-400 078 MAHARASTRA STATE			
SUB : REGISTRATION OF FIRM			
Ref: Your Letter No. HRL/DRDOLT/ASL/22-23, 03 June 2022			
Dear Sir			
1.	We are pleased to inform that M/s.HIND RECTIFIERS LIMITED, MUMBAI-400 078 has been registered with ASL, DRDO as per following details		
a.	Registration No. :	ASL/DCMM/VR/2022-23/M01/054	
b.	Date of Registration	01 July 2022	
c.	Registration Valid up to :	30 June 2025	
d.	Items/Services (s) for which registered :	Mechanical/Electrical/Electronics High Voltage Rectifier Transformer, High Current Rectifiers, Roof Mounted HVAC Systems, End of Train Telemetry, Power Electronic Applications, Battery Chargers & Current Source, Traction Transformers and Traction Motors, Traction Motors, 4-axis Automatic Vertical Milling Center, Hydraulic Bending Press Brake, CNC Laser Cutting, Testing Area for Rectifier-Transformer testing, Psychometric Lab, Propulsion System, SMPS	
e.	Category of Registration :	Manufacturer/Service Provider	
f.	Monetary Ceiling for existing individual orders/contracts :	₹.5,00,00,000/- (Rupees Five Crores only)	
2.	The Director of this Lab reserves the right to cancel your registration at any time without notice on any of the following grounds.		
a.	Failure to observe, while tendering, the instruction given in tender form.		
b.	Failing to quote in response to invitation to tender on three successive occasions.		
c.	Failure to execute the contacts/Supply orders satisfactorily		
d.	Rendering of false information in the application for registration/quotation		
e.	Any other grounds which in the opinion of the Director render retention undesirable in public Interest.		
3.	By registering your firm on our list we are not under any obligation to issue our tender enquiries to you each and every time. Enquiries will be issued depending up to the nature of procurement solely at the discretion of the Director, ASL.		
4.	Please inform the Director in writing whether you or any of your partners / employees have / has close relations working with any DRDO Lab. This is for record only.		
5.	This registration will be valid initially for a period of three years and renewed thereafter at the discretion of the Director considering your firm's performance during the preceding period of three years.		
6.	Please inform any change in your contact details to the Director, ASL.		
7.	Please acknowledge receipt.		

Installed base in more 25 countries worldwide



Transfer of Technology History



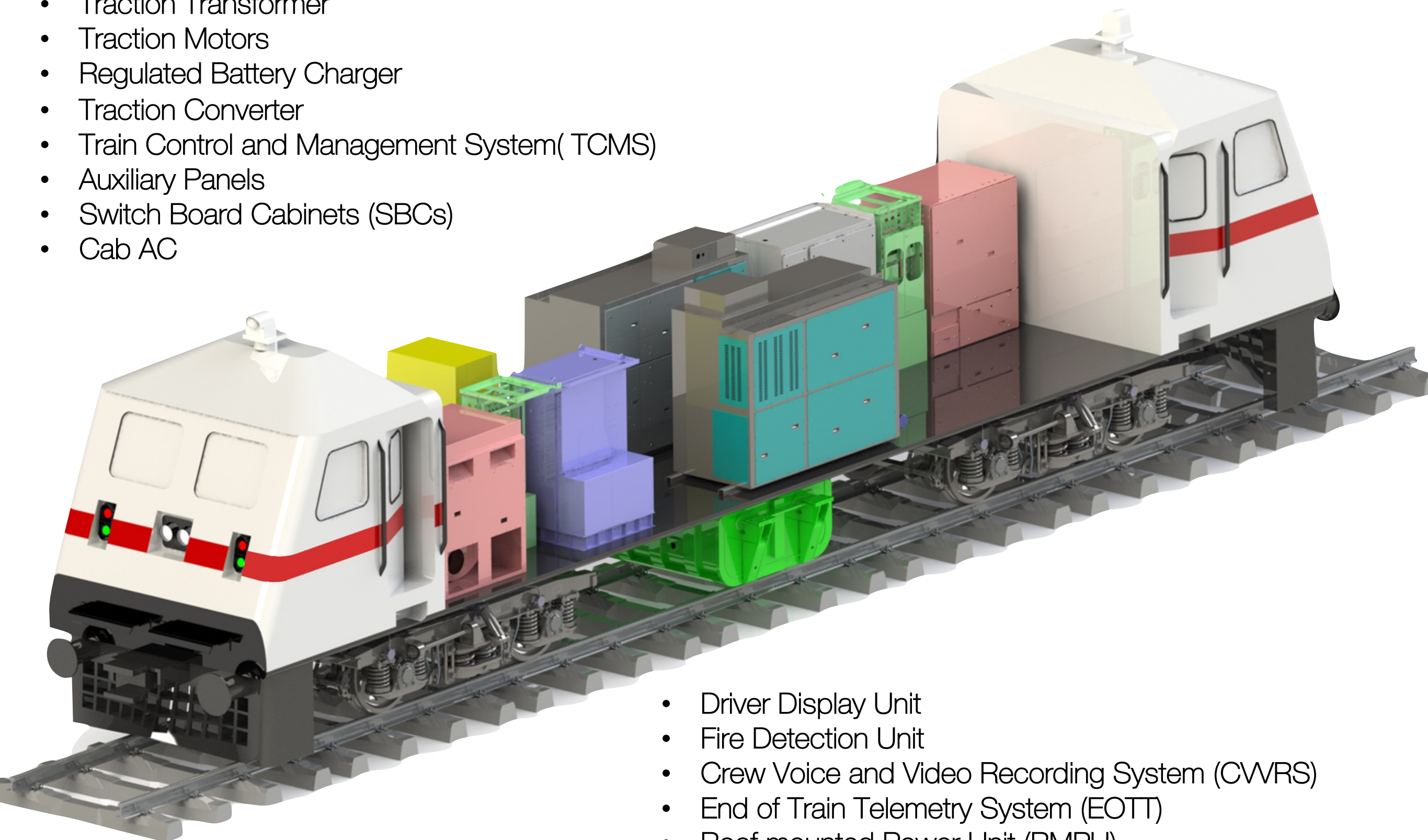
Transtechnik 1998	25 Kva Inverter (Underslung) for Passenger Coaches
FRIEM 1998	Water Cooled Rectifiers
Indian Railways 1998	Locomotive Transformers
NIEKE 2004	EMU Transformers
Transtechnik 2008	3x130 Kva Auxiliary Converter for Electric Locomotive
Genvolt, UK 2019	ESP High Voltage TR sets with High Frequency
Babcock & Wilcox, USA, 2019	ESP HV TR Sets Controllers

Market Presence



Atomic & Defence Organizations	DAE, BARC, NPCIL, ISRO, IPR, HAL, Ordnance Factories, etc.
Power & Govt. Sector	NTPC, APGENCO, MSEB, GSEB, Bhilai Steel Plant, Vizag Steel Plant etc.
Boiler & ESP OEM	GE Power, BHEL, ELEX, FLS, VT Corp, Thermax, ISGEC, Mimsan Turkey, Fingo Russia, etc.
Infrastructure / Transportation	Indian Railways, ALSTOM, BEML, SAN, L&T, Scomi, Sterling & Wilson, etc.

- Auxiliary Converters
- Hotel Load Converter
- Traction Transformer
- Traction Motors
- Regulated Battery Charger
- Traction Converter
- Train Control and Management System(TCMS)
- Auxiliary Panels
- Switch Board Cabinets (SBCs)
- Cab AC



- Driver Display Unit
- Fire Detection Unit
- Crew Voice and Video Recording System (CWRS)
- End of Train Telemetry System (EOTT)
- Roof mounted Power Unit (RMPU)

HIRECT: Railway Product Track Record



800+	Traction Transformers up to 7775KVA Loco Transformers
1500+	Auxiliary Converters 3x130KVA For 6000HP Locomotives
3000+	Coach Underslung Inverters
6000+	Locomotive and Coach Panels
2500+	Regulated Battery Chargers

High Current

Caustic Soda Project

Electro-Chlorination

Smelting for Non-Ferrous

Hydrogen (Electrolysis)

Atomic Energy, Research

Defence & Marine

High Voltage



Thermal Power

Cement Plants

Steel Plants

Paper Plants

Chemical Plants

Plasma, Klystron Beam, X-Ray

Mechanical Capabilities



**CNC Laser Cutting, Turning, Grinding, Vertical Milling,
Fabrication / Welding for Steel, Stainless Steel, & Aluminum
Hydraulic Bending & Press, Computerized Measurement**



PCB Assembly & Testing Line



**ISO 9001:2015 Certified Company and RDSO approved facility for
Electronic PCB Assembly**

We appreciate your time.
Thank you.

