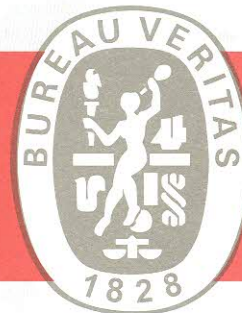


BUREAU VERITAS
Certification



Certification

Awarded to

ABB LTDA.

HEADOFFICE - OSASCO:

AV. DOS AUTONOMISTAS, 1496, VILA CAMPESINA, 06020-902 - OSASCO/SP

SITE GUARULHOS:

AV. MONTEIRO LOBATO, 3411, PARQUE SÃO ROQUE, 07190-904 - GUARULHOS/SP

SITE CUMBICA:

AV. PAPA JOÃO PAULO I, 687, CUMBICA, 07170-350 - GUARULHOS/SP

SITE BETIM:

RUA MOACYR GONÇALVES COSTA, 25, JARDIM PIEMONT, 32680-609 - BETIM/MG

SITE BLUMENAU:

RUA DR. PEDRO ZIMMERMANN, 5470, ITUPAVA CENTRAL, 89068-000 - BLUMENAU/SC

SITE INDAIATUBA:

RUA ALBERTO GUIZZO, 293, DISTRITO INDUSTRIAL JOÃO NAREZZI, 13347-402 - INDAIATUBA/SP

SITE CAMAÇARI:

AV. LESTE, QUADRA 01, LOTE 19, PÓLO DE APOIO, 42810-000 - CAMAÇARI/BA

WORKSHOP TURBOCHARGERS SANTOS:

RUA DONA LUIZA MACUCO, 199/201, VILA MATHIAS, 11015-060 - SANTOS/SP

WORKSHOP TURBOCHARGERS RIO DE JANEIRO:

RUA VINTE E QUATRO DE FEVEREIRO, 126, BONSUCESSO, 21040-300 - RIO DE JANEIRO/RJ

WORKSITES (INDUSTRIAL PLANTS)

BRAZIL

Bureau Veritas Certification certifies that the Management System of the above organization has been assessed and found to be in accordance with the requirements of the standard detailed below

STANDARD

ISO 9001:2008

SCOPE OF SUPPLY

SCOPE IN APPENDIX.

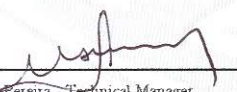
Original approval date: 10/26/1993

Subject to the continued satisfactory operation of the organization's Management System, this certificate is valid until: 07/30/2012

Further clarification regarding the scope of this certificate and the applicability of the Management System requirements may be obtained by consulting the organization

Certificate Number: BR229641-10

Date: 01/30/2012


Lucia Nunes Pereira - Technical Manager
Managing and Issuing Office:
Av. do Café, 277, Torre B, 5º Andar
Centro Empresarial do Aço
04311-000 - Vila Guarani - São Paulo/SP - Brasil





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AV. DOS AUTONOMISTAS, 1496, VILA CAMPESINA, 06020-902 - OSASCO/SP

BRAZIL

**Bureau Veritas Certification has issued this Appendix to
the Certification awarded to the above company**

CERTIFICATE NUMBER

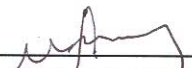
BR229641-10

SCOPE OF SUPPLY

HEADOFFICE - OSASCO:

- **MARKETING, DEVELOPMENT, PROJECT MANAGEMENT, EQUIPMENT SUPPLY, ASSEMBLY, INSTALLATION, COMMISSIONING, TECHNICAL ASSISTANCE SERVICE, PERFORMANCE SERVICE (MANAGEMENT AND PROVISION OF MAINTENANCE SERVICES FOR INDUSTRIAL PLANTS) AND TRAINING FOR: ELECTRICAL SYSTEMS, MECHANICAL, AUTOMATION, ROBOTIC SYSTEMS, INSTRUMENTATION, DRIVES (CURRENT CONVERTERS AC/DC, FREQUENCY CONVERTERS AC/DC, FREQUENCY INVERTERS AC/DC), SOFTSTART FOR MEDIUM VOLTAGE MOTORS (SOFTSTART), VOLTAGE REGULATORS, STATIC EXCITATION, SYNCHONIZATION AND RECTIFICATION SYSTEMS.**
- **SALES, ORDER HANDLING, DEVELOPING, ASSEMBLING, INSTALLATION AND TECHNICAL ASSISTANCE FOR: ELECTRICAL ROTATING MACHINES WORKSHOP (WORKSHOP AND FIELD SERVICE, ROTORS DYNAMICAL BALANCE), ELECTRICAL ROTATING MACHINES SPARE PARTS SUPPLYING, ELECTRICAL ROTATING MACHINES SUPPLYING, ON SITE MACHINING, LEAP - LIFE EXPECTANCY ANALYSIS PROGRAM, AND REPAIR IN LOW VOLTAGE MOTORS FOR HAZARDOUS AREA (Ex).**
- **SALES, DESIGN AND DEVELOPMENT, MANUFACTURING TESTING AND TECHNICAL ASSISTANCE OF ELECTRICAL INSTRUMENTATION PRODUCTS: ANALOG INDICATORS, WATTMETERS, VARMETERS, PHASE METER, SYNCHRONISM INDICATORS, SHYNCHROSCOPE, DIGITAL INDICATORS, MILLIAMMETERS, AMMETERS, MILLIVOLTMETERS AND VOLTMETERS; DIRECT CURRENT AND PROCESS DIGITAL INDICATOR; ANALOG TRANSDUCER, SMART TRANSDUCER AND MULTIMETERS.**

Date: 01/30/2012


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CERTIFICATE NUMBER

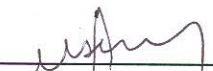
BR229641-10
SCOPE OF SUPPLY

- SALES, APPLICATION ENGINEERING, WAREHOUSE, ASSEMBLY AND TECHNICAL ASSISTANCE FOR LOW VOLTAGE PRODUCTS: "MINIATURE CIRCUIT-BREAKERS, RESIDUAL CURRENT DEVICES, INSULATION MONITORS, AIR AND MOLDED CASE CIRCUIT-BREAKERS, MINI-CONTACTORS, CONTACTORS, POWER DRY CAPACITORS, POWER FACTOR CONTROLLERS, MOTOR PROTECTIONS, MOTOR STARTER FIELD BUS INTERFACE, INDICATORS & CONNECTION PRODUCTS, SIGNALING & CONTROL DEVICES, SOFTSTARTS, AUTOMATION DEVICES, PROGRAMMABLE LOGIC CONTROLLERS, SWITCHES AND FEEDER PILLAR DISTRIBUTION CABINETS, ELECTRICAL INSTRUMENTATION AND TRANSDUCERS, ARC MONITOR AND PROCESS INSTRUMENTATION.
- SALES, APPLICATION ENGINEERING, SOURCING, FINAL ASSEMBLY AND TESTING FOR CAST IRON AND FRAMES FOR LOW, MEDIUM AND HIGH VOLTAGE MOTORS AND GENERATORS.
- SALES, APPLICATION ENGINEERING AND STOCK OF CAST IRON LOW VOLTAGE INDUCTION MOTORS.

SITE GUARULHOS:

- SALES, DESIGN, PRODUCTION, TESTING, TRANSPORT LOGISTICS, SITE ASSEMBLY, COMMISSIONING, TECHNICAL ASSISTANCE, SERVICING, REPAIRS, RETROFITTING, REVITALIZATIONS, CONDITION ASSESSMENT, DIAGNOSES, ENGINEERING ANALYSIS:
 - POWER TRANSFORMERS AND AUTOTRANSFORMERS, POWER TRANSFORMERS FOR INDUSTRIAL PROCESSES (RECTIFIERS AND FURNACES),
 - REGULATING POWER TRANSFORMERS AND AUTOTRANSFORMERS, PHASE SHIFTING POWER TRANSFORMERS,
 - CONVERTER TRANSFORMERS FOR HIGH VOLTAGE DIRECT CURRENT SYSTEMS, TRACTION TRANSFORMERS,
 - POWER TRANSFORMERS FOR MOBILE SUBSTATIONS, SHUNT AND SMOOTHING REACTORS,
 - COMPONENTS: ON-LOAD AND DE-ENERGIZED TAP CHANGERS, CONDENSIVE AND NON-CONDENSIVE BUSHINGS, OIL FILTERS FOR ON-LOAD TAP CHANGERS, BUSHINGS AND TAP CHANGERS ACCESSORIES,
 - INSULATING MATERIAL FOR TRANSFORMERS,

Date: 01/30/2012


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CERTIFICATE NUMBER

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SCOPE OF SUPPLY

- HIGH VOLTAGE PRODUCTS: CURRENT TRANSFORMERS, VOLTAGE TRANSFORMERS, CAPACITIVE VOLTAGE TRANSFORMERS, SURGE ARRESTERS, CAPACITORS, SHUNT BANKS, DISCONNECTORS SWITCHES, CIRCUIT BREAKERS, GENERATOR CIRCUIT BREAKERS,
- MEDIUM VOLTAGE PRODUCTS: ELETRICAL SWITCHBOARDS AND MOTORS CONTROL, RECLOSERS AND MEDIUM VOLTAGE CIRCUIT BREAKERS.
 - SALES, DESIGN ENGINEERING, ASSEMBLY AND TEST, ERECTION, SERVICING, RETROFITTING AND REPAIRS OF:
 - HARMONIC FILTERS, CURRENT TRANSFORMERS, VOLTAGE TRANSFORMADORES, CAPACITIVE VOLTAGE TRANSFORMERS, SURGE ARRESTERS, CAPACITORS, SHUNT BANK, DISCONNECTORS SWITCHES, CIRCUIT BREAKERS, GENERATOR CIRCUIT BREAKERS,
 - SWITCHES/DISCONNECTORS, CONTACTORS, PROTECTION RELAYS, CURRENT LIMITERS, ARC SUPPRESSERS AND FUSES.
 - SALES, APPLICATION ENGINEERING, MANUFACTURE, ASSEMBLY, TEST, SERVICE AND REPAIR OF SUBSTATION AUTOMATION PRODUCTS (IED - INTELLIGENT ELECTRONIC DEVICE).
 - SALES, APPLICATION ENGINEERING AND TECHNICAL ASSISTANCE OF SUBSTATION AUTOMATION PRODUCTS (RTU - REMOTE TERMINAL UNIT).
 - SALES, DESIGN AND DEVELOPMENT, MANUFACTURE, ASSEMBLY, TEST, SERVICE AND REPAIR OF AUTOMATION AND CONTROL PANELS FOR SUBSTATION.
 - SALES, MANAGEMENT, DESIGN, ERECTION, COMMISSIONING AND SERVICING OF: "TURN KEY" MEDIUM AND HIGH VOLTAGE SUBSTATIONS, DISTRIBUTION AND TRANSMISSION SYSTEMS AND RETROFITTING.
 - SALES, MANAGEMENT, DESIGN, IMPLEMENTATION OF ELECTRICAL OF SYSTEMS, AUTOMATION, SUPERVISION AND CONTROL, INSTRUMENTATION, PROTECTION, TELEPROTECTION AND TELECOMMUNICATION; INCLUDING PLANNING, ERECTION AND INSTALLATION, EQUIPMENT AND MATERIAL SUPPLY, COMMISSIONING AND TESTS, TRAINING, TECHNICAL ASSISTANCE AND REPAIRS.

Date: 01/30/2012


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