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Accreditation Cert. No..	IB 034
Valid From	22 August 2016
Valid Upto	21 August 2027
Accreditation Standard	ISO/IEC 17020:2012
Type of Inspection Body	Type A

Scopes of Accreditation

Field of Inspection	Type and Range of Inspection	Standards / Regulations / Methods / Procedures	
		Number identification with year of publication	Title
IAF Scope 17a			
Ferro Alloys, Steels, Structural Shapes –	Stage wise/ In- process, And Final	IS 2002:2012	Steel plate for pressure vessel for intermediate and high temperature service including boilers

		IS 7152:2013	windows and ventilators- specification EN
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		IS 1732:1989	Steel bars, round and square for structural and general engineering purposes-dimensions
		IS 7887:1992 Amd-2-2021	Mild steel wire rod for general engineering purposes-specification
		IS 2062:2011 Amd-1-2012	Hot rolled medium and high tensile structural steel – specification
		ASME SEC II Part A 2021	Ferrous Material Specifications
		EN10028:2017	Flat products made of steels for pressure purposes. General requirements
Pipe Fittings	Stage wise/ In- process, and Final Inspection	IS 1239:2021	Steel tubes, tubulars and other wrought steel fittings specification
		ASTM A234:2019	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service
		ASTM A 182: 2021	Specification for Forged or Rolled Alloy-Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service
		EN 877: 2006	Specification for Cast Iron Pipes and fittings
		ASTM A 420: 2020	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service
		ASTM A 403: 2020	Specification for Wrought Austenitic Stainless Steel Piping Fittings.
		ASTM A 758: 2019	Specification for Wrought- Carbon Steel Butt-Welding Piping Fittings with Improved Notch Toughness
		ASTM A 774: 2019	Specification for As- Welded Wrought Austenitic Stainless Steel Fittinas for General Corrosive Service

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			IS 3601: 2006 Amd-1-2012	EN Steel Tubes for mechanical and general engineering purposes – Specification
			ASTM A 178: 2019	Specification for Electric-Resistance- Welded Carbon Steel and Carbon-Manganese Steel Boiler and Super heater Tubes
			ASTM A 179: 2019	Specification for Seamless Cold-Drawn Low-Carbon Steel Heat-Exchanger and Condenser Tubes
			ASTM A 192: 2017	Specification for Seamless Carbon Steel Boiler Tubes for High-Pressure Service
			ASTM A 209: 2017	Specification for Seamless Carbon-Molybdenum Alloy-Steel Boiler and Super heater Tubes
			ASTM A 213: 2021	Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Super heater, and Heat-Exchanger Tubes
			ASTM A 214: 2019a	Specification for Electric-Resistance-Welded Carbon Steel Heat- Exchanger and Condenser Tubes
			ASTM A 249: 2018a	Specification for Welded Austenitic Steel Boiler, Super heater, Heat-Exchanger, and Condenser Tubes
			API 5CT: 2019	Specification for Casing and Tubing
			EN 10255: 2007	Non-alloy steel tubes suitable for welding and threading. Technical delivery conditions
Castings			IS 1030: 1998	Carbon steel castings for general engineering purposes – specification
			IS 2644: 1994	High strength steel castings for general engineering and structural purposes- specification

		2010	Standard Wrought Grades
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Forgings	Stage wise/ In- process, and Final Inspection	ASTM A 958: 2017	Steel Castings, Carbon and Alloy, with Tensile Requirements, Chemical Requirements Similar to Standard Wrought Grades
		ASTM A 781: 2021	Standard Specification for Castings, Steel and Alloy, Common Requirements, for General Industrial Use
		IS 2004: 1991	Carbon steel forgings for general engineering purposes-
			specification
		ASTM A 788:2019a	Standard Specification for Steel Forgings, General Requirement
		ASTM A 336:2021	Alloy Steel Forgings for Pressure and High-Temperature Parts
		ASTM A 372:2021e1	Carbon and Alloy Steel Forgings for Thin-Walled Pressure Vessels
IAF Scope 17b	Pressurized and unpressurised Vessels	ASTM A 473: 2021	Standard Specification for Stainless Steel Forgings
		ASTM A 1049: 2018	Standard Specification for Stainless Steel Forgings, Ferritic/Austenitic (Duplex), for Pressure Vessels and Related Components
		ASME Sec VIII-1, 2021	Rules for construction of pressure vessels
		IS 2825:1988 Amd-5	Code for Unfired pressure vessels
Boilers	Stage wise/ In- process, and Final Inspection	EN 13445: 2019	Unfired Pressure Vessels
		IBR-1950	Indian Boiler Regulations

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Tanks			IS 8081: 1984 Amd-1	Code of practice for design, fabrication and erection of vertical mild steel cylindrical welded oil storage tanks
			IS 10987: 1992	Code of fabrication, Practice for design, testing and installation, of under-ground/above-ground horizontal cylindrical steel storage tanks for petroleum products
			API 620: 2013	Design and Construction of Large, Welded, Low-Pressure Storage Tanks
			API 650: 2020	Welded tanks for oil storage
			ASME Sec VIII 2021	Rules for construction of pressure vessels
Gas Cylinders	Stage wise / In-process, And Final Inspection		IS 8196: 2004 Amd1-2002	Steel cylinders for compressed gases (atmospheric gases, hydrogen, high pressure liquefiable gases and dissolved acetylene gases) – code of practice
			IS 15490: 2004 Amd1-2021	Cylinders for on- board storage of compressed natural gas as a fuel for automotive vehicles – specification
			ISO 11119-3: 2013	Gas cylinders -- Refillable composite gas cylinders and tubes -- - Design, construction and testing -- Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450L with non-load- sharing metallic or non-metallic liners
SAW pipes	Stage wise/ In- process, And Final Inspection		API 5L, 45TH Edition 2018	Specification for line pipe
			IS 3589: 2010 Amd-4	Steel pipes for water and sewage
ERW pipes	Stage wise/ In- process,		IS 3589:2010 Amd-4	Steel pipes for water and sewage



Ductile Iron Pipes	Stage wise/ In- process, And Final Inspection	IS 8329:2019 Amd-5	Centrifugally cast (spun) ductile iron pressure pipes for water, gas and sewage – specification
		ISO 2531: 2009	Ductile iron pipes, fittings, accessories and their joints for water applications
		ASTM A 746: 2018	Standard Specification for Ductile Iron Gravity Sewer Pipe
		ASTM A 716: 2018	Standard Specification for Ductile Iron Culvert Pipe
		ASTM A 74: 2021	Standard Specification for Cast Iron Soil Pipe and Fittings
Distillation Columns	Stage wise/ In- process, And Final Inspection	Standard Specification for Ductile Iron Culvert Pipe	Standard Specification for Cast Iron Soil Pipe and Fittings
		IS 11556: 1986	Purchasers data sheets for distillation column
		ASME SEC VIII 2021	Rules for construction of pressure vessels
IAF Scope 18 MACHINERY EQUIPMENT			Client Requirements in the form of QAP. However, the applicable National & International Codes and Standards shall be among those which are either referred in the scope statement or shall be equivalent to the standards described above for the relevant scope category
Pumps	Stage wise/ In- process, And Final	IS 6595: 2018	Horizontal centrifugal pumps for clear, cold water— specification

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[API 674: 2010](#)

Centrifugal pumps for petroleum, heavy duty chemical, and gas industry service

API 674: 1995

Positive displacement pumps – Reciprocating

API 675: 2014

Positive displacement pumps – Controlled volume

IS 5120:2018
Amd-6

Technical requirements for roto dynamic special purpose pumps

Compressors

Stage wise/
In- process,
And
Final
Inspection

IS 15661: 2006

Petroleum, chemical and Gas service industries – centrifugal compressors

IS 13124: 1993

Reciprocating gas Compressors- Technical supply conditions

API 618: 1995

Reciprocating Compressors for Petroleum, Chemical, and Gas Industry Services,

Axial Fans,
Blowers, Dryers

Stage wise/
In- process,
And
Final
Inspection

IS 4894: 1987

Specification for -centrifugal fans

IS 1710:2021
Amd-1

Specification for pumps– vertical turbine mixed and axial flow, for clear cold water

2012

AMCA Standard for fan testing

HVAC systems

Stage wise/
In- process,
And
Final
Inspection

IS 1659: 2011
Amd-2

Block Boards Specification

Valves

Stage wise/
In- process,
And
Final
Inspection

IS 9890: 1981

Specification for general purpose ball valves

API 598: 2009

Valve inspection and testing

Extended-Body Ends

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		ASME B16.34:2020	Valves—Flanged, Threaded, and Welding End
		EN 12516: 2018	Industrial valves. Shell design strength. Calculation method for steel valve shells
Heat Exchangers	Stage wise/ In- process, And Final Inspection	IS 4503:1983 Amd-3	Specification for shell and tube type heat exchangers
		TEMA, 2007	The Tubular Exchanger Manufacturers Association
		ASME Sec VIII, 2021	Rules for construction of pressure vessels
Turbines	Stage wise/ In- process, And Final Inspection	IS 1710: 2021 Amd-1	Specification for pumps — vertical turbine mixed and axial flow, for clear cold water
		IS 15663: 2006	Design and installation of natural gas pipelines — code of practice
		IS 15665: 2006	Gas turbines – Vocabulary
		API 612: 2014	Petroleum, Petrochemical and Natural Gas Industries—Steam Turbines- Special-purpose Applications
Gear Boxes	Stage wise/ In- process, And Final Inspection	IS 7403:1974	Code of practice for selection of standard worm and helical gear boxes
		API 613: 2003	Special purpose gear units for petroleum, chemical, and gas industry services
Bearings	Stage wise/ In- process, And Final Inspection	IS 13962: 2018	Rolling bearings – metric tapered roller bearings – designation system

Product	Inspection Type	Standard	Description
Centrifuges	Final Inspection	IS 11092-1: 1992	and vibrating type for use in industrial and commercial application
		ASME Sec VIII, 2021	Rules for construction of pressure Vessels
Gaskets	Stage wise/ In- process, And Final Inspection	IS 11149:1987 Amd-1	Rubber gaskets
		IS 2712: 1998	Gaskets and packings – compressed asbestos fiber jointing
		ASTM F 104-11, 2020	Standard Classification System for Non metallic Gasket Materials
		ASTM C-564-14, 2020a	Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings
		ASTM D5926 – 15, 2020	Standard Specification for Poly (Vinyl Chloride) (PVC) Gaskets for Drain, Waste, and Vent (DWV), Sewer, Sanitary, and Storm Plumbing System
Cranes	Stage wise/ In- process, And Final Inspection	IS 3177: 2020	Code of practice for electric overhead travelling cranes and gantry cranes other than steel work cranes
		IS 807: 2020 Amd-2	Design, erection and testing (structural portion) of cranes and hoists – code of practice
		IS 14470: 1997	Cranes -test code and procedures
		ASME B 30.2: 2016	Overhead and Gantry Cranes (Top Running Bridge, Single or Multiple Girder, Top Running Trolley Hoist)
Skid mounted system	Stage wise/ In- process, And Final Inspection	IS 11461: 1985	Code of practice for compressor safety

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National & International Codes and Standards shall be among those which are either referred in the scope statement or shall be equivalent to the standards described above for the relevant scope category

IAF Scope 19a ELECTRICAL EQUIPMENT

Transformers	Final Inspection	IS 2026 Part 1 to 4, 2011	Power transformers
		IS 2705 , 1992	Part 1 to 4Current transformers
		IS 3156 Part 1 to 4, 1992	Voltage transformers
Electric Motors,	Final Inspection	IEC 60076: 2011	Power transformers
		IS 325:2011 Amd-3	Three-phase induction motors
		IS 4029: 2010	Guide for Testing Three Phase Induction Motors
MCC	Final Inspection	IS 60034:2015 Amd-1	Rotating electrical machines
		IS 13947: 2004	Low voltage switch gear and control gear
		IS 8623-1: 1993	Low-Voltage Switchgear and Control Gear Assemblies, Part 1: Requirements for Type-Tested and Partially Type-Tested Assemblies
		IS 12729:2004	Common High-Voltage Switchgear and Control Gear Standards
Control Panels	Final Inspection	IEC 61439: 2011	Low-voltage switchgear and control gear assemblies
		IS 732:2019	Code of Practice for Electrical Wiring Installations
		IS 3072: 1975	Code of practice
			for installation and maintenance of switchgear

	MEDIA CENTRE	Final Inspection	CONTACT US	PORTAL LOGIN	19	Code of Prac EN for Electrical Wiring Installations
Junction Boxes						Junction boxes for photovoltaic modules – Safety requirements and tests
						IEC 62790: 2014
Switch Gears		Final Inspection				Low-Voltage Switchgear and Control gear, Part 5: Control Circuit Devices and Switching Elements, Section 2: Proximity Switches [ETD 7: Low Voltage Switchgear and Control gear]
						IS 13947-5: 2004
						IS 732:2019
						Code of Practice for Electrical Wiring Installations
						IS 9921: 1985
						Alternating Current Disconnectors (isolators) and Earthing Switches for Voltages
						IEC 62271: 2011
						High-voltage switchgear and control Gear
Insulated Cables & Wires		Final Inspection				Crosslinked polyethylene insulated PVC sheathed cables
						IS 7098: 2012 Amd-5
						IS 1554: 2012 Amd-5
						PVC insulated (heavy duty) electric cables
						IS 9968:2016 Amd-3
						Elastomer-insulated Cables
						IS 694: 2020 Amd-4
						Polyvinyl chloride insulated unsheathed and sheathed cables/cords with rigid and flexible conductor for rated voltages up to and including 450/750 v
						IS 14255:2010 Amd-1
						Specification for AERIAL Bunched Cables for working Voltage. Up to & including 1100 Volts
						IEC 60502: 2014
						Power cables with extruded insulation and their accessories for rated voltages from 1 kV up to 30

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 up to 150 kV (110 = 170 kV) – Test
 methods and EN requirements

Batteries

Final
InspectionIS 15549: 2018
Amd-3Stationary Regulated Lead Acid
Batteries [ETD II: Secondary Cells
and Batteries]

IEC 61427: 2015

Secondary cells and batteries for
photovoltaic energy systems (PVES)General requirements and methods
of test

Generators

Final
Inspection

IS 13364: 1992

AC generators driven by
reciprocating internal combustion
engine

IS 8753: 1977

Code for acceptance tests on
stationary steam generators of the
power station type

IS/IEC 60034

Rotating Electrical Machines

Client Requirements in the form of QAP. However, the applicable National & International Codes and Standards shall be among those which are either referred in the scope statement or shall be equivalent to the standards described above for the relevant scope category

IAF Sector 22 Manufactures of Transport Equipment

Car, Bus, Truck,
trailers,
Cows -
AutomotiveStage
wise/and
Final
Inspection

1989

CMVR Rules 1989 Chapter V

components-
Subassemblies
& assemblies

AIS 042, 2006

Automotive Industry Standards-
Agricultural Tractors –Steering
Efforts Requirements

Agriculture

Stage

IS 11825:1986

Method of weighment of automotive



Engines and Its components	Stage wise and Final Inspection	ASME Sec VIII 2021	Rules for construction of pressure vessels
		ASTM A 781, 2021	Standard Specification for Castings, Steel and Alloy, Common Requirements for General Industrial Use As per RDSO Specifications Client Requirements in the form of QAP. However, the applicable National & International Codes and Standards shall be among those which are either referred in the scope statement or shall be equivalent to the standards described above for the relevant scope category.
IAF Scope 26 Gas Supply			
Gas Supply-NGPL with item 26-A (iii)	Stage wise &In service	PNGRB's GSR 808(E) dated 11.11.2009 along with latest amendments, national/international standards mentioned therein and relevant statutes	PNGRB's "Technical Standards and Specifications including Safety Standards for Natural Gas Pipelines" Regulations, 2009
Gas Supply-CGD with item 26-B (iii)	Stage wise &In service	PNGRB's GSR 612(E) dated 27.08.2008 along with latest amendments, national/international standards mentioned therein and relevant statutes	PNGRB's "Technical Standards and Specifications including Safety Standards for City or Local Natural Gas Distribution Network" Regulations, 2008



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01	Main office	207, 2nd Floor, AVIOR of Nirmal Galaxy, LBS Marg, Opp Johnson & Johnson, Mulund (West), Mumbai - 400 080	Top management functions, quality management system functions, administration & accounts, other key activities as applicable to main office. Inspection contract review, Inspection planning & execution, Inspection personnel authorization & assignment, Issue of inspection reports / certificates.
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