



**National Accreditation Board
for Certification Bodies**



Accreditation Certificate

NABCB

hereby confirms that

**Industrial Inspection and Verification
Services India Pvt. Ltd.**

C-11, 3rd Floor, Sector-10,
Noida - 201301, Uttar Pradesh, India

complies with

NABCB Accreditation Criteria for Inspection Bodies
(ISO/IEC 17020:2012)
as Type 'A' Inspection Body

to carry out

Inspection

as per accompanying

Schedule I : Scope of Accreditation

Schedule II : Office(s) under Accreditation

Accreditation Certificate No.: IB 100

Date of Initial Accreditation : December 02, 2022

Validity of Accreditation : December 01, 2025

December 02, 2022

Issue Date

(Rajesh Maheshwari)

Chief Executive Officer

(Please refer <http://nabcb.qci.org.in> for validity of the certificate or contact NABCB for any related queries)



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Schedule I (Scope of Accreditation)

Industrial Inspection and Verification Services India Pvt. Ltd.

Type 'A' Inspection Body

IAF Scope / Field of Inspection and Specific Item(s)	Stage and Range of Inspection(s)	Inspection Requirement(s) Standards / Regulations / Methods / Procedures	
		Number identification with year of publication	Title
IAF Scope 17a Basic metals Structural Shapes – Plates, Coils, Bars, Rods, Sections, Wires Ferrous Alloys, structural Steels, Precious metals, Ferrous & Non-ferrous & alloy metal	Stage wise / Finished Product Inspection	EN 10250-4:2021 IS 2002: 2009 IS 1030:1998 IS 7452: 2013 IS 1239 (Pt 1):2004 IS 1239 (Pt 2):2011 IS 1875:1992 (R2014) IS 1570:1987 IS 4923: 1997 IS 1732:1989 (R2014)	Open steel die forgings for general engineering purposes. Stainless steels Steel plate for pressure vessel for intermediate and high temperature service including boilers Carbon steel castings for general engineering purposes - specification Hot rolled steel sections for doors, windows, and ventilators specification Steel Tubes, Pipes and Fittings Steel Tubes, Pipes and Fittings Carbon steel billets, blooms, slabs, and bars for forgings Schedules for Wrought Steels, Part 2: Carbon Steels (Unalloyed Steels), Section 2: Carbon Steel Wires with Related properties Hollow steel sections for structural use Steel bars, round and square for structural and general engineering purposes dimensions

May 25, 2023
Issue Date

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Pipe Fittings	Stage wise / Finished Product Inspection	IS 2062 :2011 (R2016)	Hot Rolled Medium and High Tensile. Structural Steel
		IS 7887:1992 (R2012)	Mild steel wire rod for general engineering purposes specification
		IS 10748 :2004 (R2014)	Specification of Hot Rolled Carbon Steel Skelp & Strips for manufacture of steel tubes & pipes
		ASME SEC II Part A & B- 2021	Ferrous & Nonferrous Material Specifications
		ASTM A 516;2017	Standard Specification for Pressure Vessel Plates, Carbon Steel, for Moderate and Lower-Temperature Service
		NACE MR 0175:2021 / ISO 15156-1,2 &3: 2020	Sulphide Stress Corrosion Cracking Resistant Metallic Material for oil field equipment
		ASME IX-2021/ PD 190	Welding, Brazing, and Fusing Qualifications.
		DIN C 45/AISI 1045	Stainless steel round rods
		ASTM A 234;2019	Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service
		ASTM A 182;2022	Specification for Forged or Rolled Alloy-Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High- Temperature Service

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Tubes	Stage wise / Finished Product Inspection	ASTM A 420;2020	Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service
		ASTM A 403;2022	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 Fittings for General Corrosive Service at Low and Moderate Temperatures
		IS 1161:2014	Steel Tubes for Structural Purposes - Specification
		IS 3601:2006	Steel Tubes for Mechanical and General Engineering Purposes
		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;2022	Specification for Seamless Carbon- Molybdenum Alloy- Steel Boiler and Super heater Tubes

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Castings	Stage wise / Finished Product Inspection	ASTM A 213;2022	Specification for Seamless Ferritic and Austenitic Alloy- Steel Boiler, Super heater, and Heat-Exchanger Tubes
		ASTM A 214;2019	Specification for Electric-Resistance-Welded Carbon Steel Heat-Exchanger and Condenser Tubes
		ASTM A 249;2018	Specification for Welded Austenitic Steel Boiler, Super heater, Heat-Exchanger, and Condenser Tubes
		API 5CT, 2011 Add.2021	Specification for Casing and Tubing
		EN 10255, 2004	Non-alloy steel tubes suitable for welding and threading. Technical delivery conditions
		IS 1030:1998	Carbon steel castings for general engineering purposes - specification
		IS 2644:1994 (R2005)	High strength steel castings for general engineering and structural purposes specification
		IS 1865:1991 (R2005)	Iron Castings with Spheroidal or Nodular Graphite -Specification
		ASTM A 915;2018	Steel Castings, Carbon and Alloy, Chemical Requirements Similar to Standard Wrought Grades
		ASTM A 958;2017	Steel Castings, Carbon and Alloy, with Tensile Requirements, chemical Requirements Similar to Standard Wrought Grades

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Forgings	Stage wise / Finished Product Inspection	ASTM A 781;2021 IS 2004, 1991 (R2012) ASTM A 336;2021 ASTM A 372;2020 ASTM A 473;2021 ASTM A 1049;2018	Standard Specification for Castings, Steel and Alloy, Common Requirements, for General Industrial Use Carbon steel forgings for general engineering purposes specification Alloy Steel Forgings for Pressure and High- Temperature Parts Carbon and Alloy Steel Forgings for Thin-Walled Pressure Vessels Standard Specification for Stainless Steel Forgings Standard Specification for Stainless Steel Forgings, Ferritic /Austenitic (Duplex), for Pressure Vessels and Related Components
IAF Scope 17b Fabricated metal products Bullets, Pressurized and non-pressurized vessels, Piping & Piping Skid	Stage wise / Finished Product Inspection	IS 2825: 1969 (R2002) ASME Sec VIII-2015 IS 2825:1969 (R2002)	Code for Unfired pressure vessels Rules for construction of Pressure Vessels Code For Unfired Pressure Vessels

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Tanks	Stage wise / Finished Product Inspection	IS 10987: 1992 (R2003) API 620, 12 th Edition 2013, Add 1 (2014), Add. 2 2018 & Add.3 2018 API 650- 13 th Edition, Includes Errata 1 (2021) ASME Sec VIII 2021 ASME Sec II, 2021 (A, B, C, D) ISO 9809-2019 ISO 11439-2013 ISO 4706-2008	Code of fabrication, Practice for design, testing and installation, of under- ground /above-ground horizontal cylindrical steel storage tanks for petroleum products Design and construction of Large, Welded, Low- Pressure Storage Tanks Welded tanks for oil storage Rules for construction of pressure vessels Materials & Specifications
Gas Cylinders	Stage wise / Finished Product Inspection	ISO 11439-2013 ISO 4706-2008	Refillable seamless steel gas cylinders design, construction, and testing High pressure cylinders for the on- board storage of natural gas as a fuel for automotive vehicles Gas cylinders – Refillable welded steel cylinders
Columns	Stage wise / Finished Product Inspection	ASME SEC VIII 2021	Rules for construction of pressure vessels
Heat Exchangers	Stage wise / Finished Product Inspection	IS 4503: 1967 (R2003) TEMA, 2019	Specification for shell and tube type heat exchangers The Tubular Exchanger Manufacturers Association

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			Customer Requirements in the form of QAP & scope mentioned in IAF Scope mentioned under this scope in the certificate, 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 18 Machinery and Equipment Materials and components associated with above products, Machinery and Machine Tools, Blowers, Dryers, Fans, HVAC systems Valves	Stage wise /Finished Product Inspection	API 614: 2022, 6 th Edition API 598:2016 IS 9890: 1981 (R2003) EN 12266-1 -2018 API 600, 2015	Lube Oil System Lubrication, Shaft-sealing and Oil- control Systems and Auxiliaries, (ISO 10438: 2008, Modified), Includes Errata (2008) Valve inspection and testing, Tenth Edition Specification for general purpose ball valves Testing of metallic valves Bolted bonnet steel gate valves for petroleum and natural gas industries

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Bearings Axial Fans, Blowers, Dryers		API 602, 2022 ASME B16.34, 2020 IS 13962, 1994(R1999) API 670, 2014 IS 4894: 1987	Compact Steel Gate Valves- Flanged, Threaded, Welding, and Extended- Body Ends Valves - Flanged, Threaded, and Welding End Rolling bearings – metric tapered roller bearings – designation System Machinery Protection Systems Specification for - centrifugal fans Customer Requirements in the form of QAP & scope mentioned in IAF Scope mentioned under this scope in the certificate, 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 19 Electrical Machinery and Apparatus Electric Motors Transformers	Stage wise /Finished Product Inspection	IS 12615: 2018 IS 60034, 2022 IS 11171-1985 IS 2026 Part 1 to 4, 2011	Energy efficient Induction Motors-Three-phase Squirrel cage Rotating electrical machines Dry type power transformers Power transformers

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MCC, Junction Boxes, Control Panels, Switch Gears Manufacture of electricity distribution and control apparatus e.g. Switchgear (HT/LT), Panels, PCC, MCC, APFC VFD, CT, PT, Flame proof & Weather proof equipment's, Junction Boxes, Insulated Wire and Cables, Lighting, equipment's, Push Button Stations and Electrical lamps, Outdoor units and IPMS for Telecom sector, Pressure Gauges, earthing, electrical resistance, Flameproof enclosure, luminaries and electrical installation classification etc.		IS 2705 Part 1 to 4, 1992	Current transformers
		IS 3156 Part 1 to 4, 1992	Voltage transformers
		IEC 60076, 2020	Power transformers
		IS 13947-1: 1993 (R2004)	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
		IEC 61439-2, 2020	Low-voltage switchgear and control gear assemblies
		IEC 62790, 2020	Junction boxes for photovoltaic modules - Safety requirements and tests
		IEC 61439-1, 2020	Low-voltage switchgear and control gear assemblies - Part1: General rules
		IS 13947-5: 2004	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 9921: 1985	Alternating Current Disconnectors (isolators) and Earthing Switches for Voltages

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Manufacture of accumulators, primary cells and primary batteries like (UPS, Battery, Battery chargers etc.)		IEC 62271, 2022	High-voltage switchgear 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
		IEC 62271-100:2021 & 200 :2021	High-voltage switchgear and control gear - Part 100: High voltage alternating-current circuit-breakers
		IEC 60947 -2022	Low-Voltage Switchgear and Control gear
		IS 7987 -1985	Guide For Selection of High Voltage Ac Circuit Breakers
		IS 2071-2:1974 (R2006)	Methods Of High Voltage Testing
		EN 837 -1998	Stainless steel diaphragm pressure gauges
		IS 10322-1: 2014	Luminaries Part 1 General Requirements and Tests
		IS 10322-5 (2012)	Luminaries Part 1 Particular Requirements
		IS 1651:1991 (R2002)	Specification for stationary cells and batteries, lead-acid typewith tubular positive plates
		IS 10918:1984 (R2013)	Specification For Vented Type Nickel Cadmium Batteries
		IS 13314-1992 (R2003)	Solid state inverters run from storage Batteries
		NFPA 72-2022	National Fire Alarm and Signaling Code

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Manufacture of industrial process control equipment e.g. (PLC, DCS, CCTV, Fire & Gas detection system etc.) Manufacture of Optical Fibre Cables, Instruments Gas Turbine Flow meter		IEC 60584-3: 2021 IS 11360: 1985 ISO/IEC 60794-1-1- 2015 IS 1554-1988 IS 7098-2011 ASME Sec V:2021 Article 10 ASME Sec. VIII Div 1: 2021 UG 100	Thermocouple Extension & Compensating Cable Specification for Smoke Detectors for Use in Automatic Electrical Fire Alarm System Fibre Optics, Fibres, Cables, and Devices PVC Insulated (Heavy Duty) Electric Cables Cross linked Polyethylene Insulated. Thermoplastics Sheathed Cables Gas Turbine Flowmeter for Gas Supply Industries
IAF Scope 26B (i) Gas Supply-City Gas Distribution	Stage wise	PNGRB's GSR 612(E) dated 27.08.2008 along with the latest amendments, national/ international standards mentioned therein, and relevant statutes API 1104:2013	PNGRB's "Technical Standards and Specifications including Safety Standards for City or Local Natural Gas Distribution Network" Regulations, 2008 Standard for Welding Pipelines and Related Facilities

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		ASME 31.8:2012	Gas Transmission and Distribution System
IAF Scope 27 Water Supply Steam and Hot Water supply Collection, purification, and distribution systems Steam and hot water supply Collection, purification and distribution of water	Stage wise / Finished product Inspection	Central Public Health and Environmental Engineering Organization. (CPHEEO) 3 rd Edition May 1999 IS 458: 2003 IS 783: 1985 IS 1172: 2016 IS 3589-2001, Amd.4 2010 IS 800:2007 IS 3114: 1994 IS 5329: 2012 IS 8329: 2000 EN 545 -2010	Manual on Water Supply & Treatment Precast Concrete Pipes (With and Without Reinforcement - Specification Laying Of Concrete Pipes Code of Basic Requirements for Water Supply, Drainage and Sanitation Steel Pipes for Water and Sewage Indian Code of Practice for Construction in Steel Code of practice for laying of cast iron pipes. Code of practice for sanitary pipe work above ground for buildings Centrifugally cast (spun) ductile iron pressure pipes for water, gas and sewage-specification Ductile iron pipes, fittings, accessories, and their joints for water pipelines

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IAF Scope 31a Transport, storage LPG Over ground/ Mounded Storage and Bottling Facilities with item 31a(v) of NABCB Sub-sector categorization document BCB 503(O&G)	In-service	PNGRB's F.No. PNGRB/Tech/6- T4SLPG/(1)/2019, the year 2019 along with the latest amendments, national/ international standards mentioned therein, and relevant statutes	PNGRB "Technical Standards and Specifications including Safety Standards for LPG Storage, Handling & Bottling Facilities" Regulations
IAF Scope 34 Engineering Services Emergency Response & Disaster Management Plan (ERDMP) with item 34(ii) NABCB Sub- sector categorization document BCB 503(O&G): Entire Downstream areas as applicable under item-3 of ERDMP Regulation	In-service	GSR 39(E) 18/01/2010 along with latest amendments, national/ international standards mentioned therein, and relevant statutes	PNGRB's Codes of Practices for Emergency Response and Disaster Management Plan (ERDMP) Regulations -2010

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