



# National Accreditation Board for Certification Bodies



## Accreditation Certificate

### NABCB

hereby confirms that

**Quality Evaluation and Systems Team Pvt. Ltd.**

Shankalp Business Bay, No. 210, 2<sup>nd</sup> Floor,

12<sup>th</sup> Main Road, Mariyappanapalya,

K P Agrahara, Bangalore – 560023, Karnataka, 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

<b>Accreditation Certificate No.:</b>	<b>IB 014</b>
Date of Initial Accreditation	: February 25, 2013
Date of Last Renewal	: February 25, 2024
Validity of Accreditation	: February 24, 2028

**(Rajesh Maheshwari)**  
**Chief Executive Officer**

**February 28, 2024**  
**Issue Date**

(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)

### Quality Evaluation and Systems Team 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
<b>IAF Scope 17 Basic Metals and Fabricated Metal Products</b> Tubes, Pipes, Fittings  Cold drawn bars/Cold rolled strips  Hot rolled structural steels  Steel and Iron casting  High Tensile steel castings	Visual, dimensional, surface preparation and surface protection inspection, witnessing of chemical and mechanical tests, NDT, etc, TC reviews	IS 3601:2006	Steel Tubes for Mechanical and General Engineering purpose- specifications
		IS 1161:2014	Steel Tubes for Structural purposes-specifications
		IS 1239 Part 2:2012	Steel Tubes, tubulars & other steel pipe fittings--specifications As per client QAP
		IS2062:2011	Hot rolled medium and high tensile structural steel- specifications
		IS 1030:1998	Carbon Steel Castings for general engineering purposes-- specifications
IS 2644:1994	High Strength Steel Castings for general engineering and		

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		Number identification with year of publication	Title
Iron castings  Grey iron castings Aluminium bronze castings Phosphorous bronze castings Pressed steel forgings Carbon steel forged products Fasteners	Visual and dimensional inspection, performance witnessing, TC review	IS 1865:1991	structural purposes-- specifications Iron Castings with spheroidal or nodular graphite--specifications
		IS 210:2009	Grey iron castings--specifications
		IS 305:1981	Specification for Aluminium bronze Ingots and castings
		IS 28:1985	Specification for Phosphorous bronze ingots and castings
	Visual, dimensional, NDT, Hydro tests, TC review etc.	IS 3479:1966	General requirements for steel drop, upset 7 press forgings
		IS 2004:2001	Carbon Steel Forgings for Structural Engineering Purposes
Springs	Visual, dimensional, NDT, Hydro tests, TC review etc.	IS 1367:part 1--2002	Threaded steel fasteners
		IS 1364: part 1 to 6-- 2002	Hex Head Bolts, screws & nuts of product grades A & B
	Visual, dimensional, NDT, Hydro tests, TC review etc.	IS 7906-Part 1 to 8:1975/1997	Helical compression spring- specification for cold coiled springs made from circular section wire & bars
Metal structures and part of structures, reservoirs, fabricated items, steam generators etc. Welded tanks		ASME Section II,V,IX	ASME Section II -Materials ASME Section V-Non- destructive testing ASME Section IX -Welding and brazing qualification
		API 650:2007	Welded tanks for oil storage

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IAF Scope 18 Machinery and Equipment Pumps	Visual, Dimensional, NDT, Performance witnessing, TC reviews etc.	IS 6595-Part 1:2002	Horizontal centrifugal pumps for clear, cold water specifications
Valves		API 610	Centrifugal pumps for petrochemical and Natural gas applications
		IS 9890:2003	Specification for general purpose ball valves
		IS13095:2003	Butterfly valves general purpose
Gears and Gear Boxes		API 598	Valve inspection and testing
		API 609	Butterfly valves-double flanged, lug and wafer type
Steam Turbines Heat Exchangers		API 6D	Specification for pipe line valves
	AGMA 6011	Specification for High Speed helical gear units	
Cranes and hoists	API 613	Special purpose gear units for petroleum, chemical and gas industry services As per Client QAP	
	TEMA	Tubular Exchange Manufacturers Association Stds	
		IS 3177:2004	Code of practice for electric overhead travelling cranes & gantry cranes other than steel work cranes

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		IS 807:2006	Design, erection and testing (structural parts) of cranes & Hoists-code of practice
IAF Scope 19 Electrical and Optical Equipment LT/HT Motors	Visual, dimensional, routine test and performance test witnessing, type test witnessing, document review	IS 325:2011	Three phase Ind Motors- Specifications
Transformers		IS 12615:2011 IS 4722:1968 IS 2026:2011 IS 11171:2001	Energy Efficient Motors Specification for AC Motors Power transformers-Part 1-10 Specifications for dry type power transformers
Cables		IS 2705:2002 IS 16227-2:2016 IS 16227-3:2015 IS 3156:2002 IS 7098-Part 1:2008  IS 7098-Part 2:2011	Current transformers-Part 1-4 Current Transformers Voltage Transformers Voltage transformers-Part 1-4 Specification for crosslinked polyethylene insulated PVC sheathed cables Crosslinked polyethylene insulated thermoplastic sheathed cables—specifications For working voltages from 3.3 KV up to and including 33 KV

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Conductors  Bus bars  Switch gears, Control Panels, relay panels	Visual and dimensional, inspection, TC reviews  Visual, dimensional, functional test witnessing, TC reviews	GC/SOP/INSP/06	Standard Operating Procedure for Inspection of Bagged Cargo during Export Operation
		IS 7098-Part 3:1993	Crosslinked polyethylene insulated thermoplastic sheathed cables—specifications For working voltages from 66 KV upto and including 220 KV
		IS 1554-Part 1&2	Specification for PVC insulated (heavy duty) electric cables
		IS 8130:2001	Specification for conductors for insulated electric cables &flexible cords
		IS 398:1999 IS 8084:2002	Aluminium conductors Specification for interconnecting bus bars for AC voltage above 1 KV up to & inclusive ,36 KV
		IS 8623:1993	Specifications for low voltage Switchgear & control gear assemblies- Part1-Requirements for type tested and partially type tested assemblies  Part3-Particular requirements for equipment's where unskilled person have access for their use

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Switches	Visual, dimensional, performance witnessing, TC review etc.	IS 9920-1985	Alternating current switches for voltage above 1000V
Insulators		IS 731:2001	Specification for insulators for overhead power lines with nominal voltage greater than 1000v
Batteries	Visual, dimensional, performance test witnessing, Type test witnessing ,TC reviews etc.	IS 10918:2003	Specification for vented type nickel cadmium batteries
AC Generators		IS 15549:2005	Stationary Valve Regulated Lead Acid Batteries
	Distribution system	IS 13369:1992	Stationary Lead Acid Batteries
VFD		IEEE43	Specification for Insulation Resistance
	VFD	IEC 60034	Specification for winding resistance
VFD		IS 8792:2006	Line traps for AC Power systems
	VFD	IEC 61800	Power drive systems

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<b>IAF Scope 21 Aerospace</b> Shroud and Cone components  Landing gear mechanism components-cylinder and piston  Aircraft Engine Comp;  Airframe  LRU's- mechanical  LRU's-Electrical & Electronics	In-process/final inspection- Visual/Dimensional  In-process/final inspection-metrology and visual inspection, NDE  In-process/final inspection-metrology and visual inspection, NDE, rigging checks, CG determination, symmetry  Chassis clearance, thread insert installation, fasteners  PCB Clearance, wiring, potting and conformal coating, looming, functional test, ESS, EMI-EMC		

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Aerospace Machined Components & assembly Non- metallic & composite parts	Stage and final inspection visual, metrology, NDE In process Inspection, post curing inspection, metrology inspection, NDE	Client requirements in the form of Drawings/QAP etc.	
<b>IAF Scope 22</b> <b>Other Transport</b> <b>Equipment</b> Railway wagons	Stage and final inspection consisting of MTC review, visual and dimensional inspection, NDT witnessing, camber, riveting and huck bolting inspection, surface preparation and painting inspection	QM-G-7.1-4-Version 1.1	RDSO Guidelines
<b>IAF Scope 26</b> <b>Gas and Petroleum</b> <b>Supply</b> Gas Supply 26 A(iii) of NABCB Sub-sector categorization document BCB 503 (O&G) Gas Supply- NGPL	Stagewise/ 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

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26 B(iii) of NABCB Sub-sector categorization document BCB 503 (O&G) Gas Supply- CGD	Stagewise/ 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
26D (iii) Liquefied Natural Gas facilities	Stagewise/ In-service	PNGRB's F. No. INFRA/T4S/LNG/05. dated 18.01.2018 along with latest amendments, national and international standards mentioned therein and relevant statutes	Petroleum and Natural Gas Regulatory Board (Technical Standards and Specifications including Safety Standards for Liquefied Natural Gas Facilities) Regulations, 2018.
<b>IAF Scope 28 Construction</b> <ul style="list-style-type: none"> <li>Site Preparation (45.1)</li> <li>Test drilling &amp; boring (45.12)</li> <li>Building of complete constructions or parts thereof; civil Engineering (45.2)</li> <li>General construction of buildings and civil</li> </ul>	In-process/ Stagewise/ final inspection	IS2720:2015 IS1786:2013  IS2502:2013  IS1852:2013  IS2911:2015	Methods of test for soils High Strength deformed steel bars and wires for concrete reinforcement Code of Practice for Bending and Fixing of Bars for Concrete Rolling and cutting tolerances for hot rolled steel products  Design and construction of pile foundations code of practice part 1

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<ul style="list-style-type: none"> <li>• Engineering works (45.21)</li> <li>• Erection of roof covering and frames (45.22)</li> <li>• Construction of roads (45.23)</li> <li>• Other construction work involving special trades (45.25)</li> <li>• Plumbing (45.33) Building Completion (45.4)</li> </ul>		IS1199:2015	Methods of sampling and analysis of concrete
		IS456: 2016	Plain and Reinforced Concrete - Code of Practice
		IS2386: 2016	Methods of Test for Aggregates for Concrete - Part I : Particle Size and Shape
		IS383: 2016	Coarse and Fine Aggregate for Concrete
		IS1077: 2016	Common Burnt Clay Building Bricks - Specification
		IS3495: 2016	Methods of tests of burnt clay building bricks
		IS269: 2015	Ordinary Portland Cement - Specification
		IS4031:2016	Methods of physical tests for hydraulic cement
		IS 1489: 2015	Portland Pozzolana Cement - Specification
		IS 455: 2015	Portland Slag Cement - Specification
Client requirements in the form of QAP etc. and Technical procedures which are generally based on National and International Codes and Standards (or any equivalent standard)			

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IAF Scope 31a(iii) of NABCB Sub-sector categorization document BCB 503 (O&G) Petroleum & Petroleum Products pipeline	Stagewise/ In-service	GSR Infra/T4S/P&PPPL/ 01/2014 Dt 12.02.2016 along with latest amendments, National, International standards mentioned therein and relevant statutes	PNGRB's "Technical Standards and Specifications including Safety Standards for Petroleum & Petroleum Products pipelines" Regulations-2016

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