

# Quality And Accreditation Institute

## Centre for International Accreditation

(formerly Centre for Laboratory Accreditation)



### Certificate of Accreditation

#### **Hindustan Forging and Steel Industries**

Plot No.- F6/1 & 2, Road No.- 25 & 34, Wagle Industrial Estate,  
Thane-400604, Maharashtra, India

has been assessed and accredited in accordance with the Standard  
**ISO/IEC 17025:2017**

“General Requirements for the Competence of Testing and Calibration Laboratories”  
In the field of  
**Testing**

This certificate remains valid for the Scope of Accreditation as specified  
in the annexure subject to continued compliance to the above standard &  
any other requirements specified by QAI.



**QAI/CIA/TL/2025/0104**

Valid from: 25 February 2025

Valid until: 24 February 2027

**Dr. Bhupendra Kumar Rana**  
Chief Executive Officer

**Prof. Vikram Kumar**  
Chair, CIA

User is advised to verify the current scope of accreditation by visiting our website: [www.qai.org.in](http://www.qai.org.in)



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Scope of Accreditation

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Accreditation Standard: ISO/IEC 17025:2017

Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Mechanical Properties of Metals</b>		
1.	Ferrous & Non-ferrous Metal	Ultimate Tensile Strength	IS 1608-Part 1: 2022
2.	Ferrous & Non-ferrous Metal	Ultimate Tensile Strength	ISO 6892 – 1: 2019
3.	Ferrous & Non-ferrous Metal	Ultimate Tensile Strength	ASTM A 370: 2024
4.	Ferrous & Non-ferrous Metal	Yield Strength	IS 1608 - Part 1: 2022
5.	Ferrous & Non-ferrous Metal	Yield Strength	ISO 6892 – 1: 2019
6.	Ferrous & Non-ferrous Metal	Yield Strength	ASTM A 370: 2024
7.	Ferrous & Non-ferrous Metal	Proof Stress 0.2%	IS 1608 - Part 1: 2022
8.	Ferrous & Non-ferrous Metal	Proof Stress 0.2%	ISO 6892 – 1: 2019
9.	Ferrous & Non-ferrous Metal	Proof Stress 0.2%	ASTM A 370: 2024
10.	Ferrous & Non-ferrous Metal	Proof Stress 0.5%	IS 1608 - Part 1: 2022
11.	Ferrous & Non-ferrous Metal	Proof Stress 0.5%	ISO 6892 – 1: 2019
12.	Ferrous & Non-ferrous Metal	Proof Stress 0.5%	ASTM A 370: 2024
13.	Ferrous & Non-ferrous Metal	Elongation	IS 1608 - Part 1: 2022
14.	Ferrous & Non-ferrous Metal	Elongation	ISO 6892 – 1: 2019
15.	Ferrous & Non-ferrous Metal	Elongation	ASTM A 370: 2024
16.	Ferrous & Non-ferrous Metal	Reduction Area	IS 1608 - Part 1: 2022
17.	Ferrous & Non-ferrous Metal	Reduction Area	ISO 6892 – 1: 2019

This is annexure to 'Certificate of Accreditation' and does not require any signature.

[www.qai.org.in](http://www.qai.org.in)



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### Scope of Accreditation

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Mechanical Properties of Metals</b>		
18.	Ferrous & Non-ferrous Metal	Reduction Area	ASTM A 370: 2024
19.	Ferrous & Non-ferrous Metal	Charpy Impact Test – V Notch/U Notch (–60 to 35°C)	IS 1757 Part 1: 2020
20.	Ferrous & Non-ferrous Metal	IZOD Impact Test (Ambient temperature)	IS 1598: 2024
21.	Ferrous & Non-ferrous Metal	Charpy Impact Test – V Notch/U Notch (–60 to 35°C)	ISO 148: 1: 2016
22.	Ferrous & Non-ferrous Metal	Rockwell Hardness - HRC	IS 1586 Part 1: 2018
23.	Ferrous & Non-ferrous Metal	Rockwell Hardness - HRC	ASTM A 370: 2024
24.	Ferrous & Non-ferrous Metal	Rockwell Hardness - HRC	ASTM E 18: 2024
25.	Ferrous & Non-ferrous Metal	Rockwell Hardness - HRC	ISO 6508 – 1: 2023 (E)
26.	Ferrous & Non-ferrous Metal	Rockwell Hardness - HRBW	IS 1586 Part 1: 2018
27.	Ferrous & Non-ferrous Metal	Rockwell hardness - HRBW	ASTM A 370: 2024
28.	Ferrous & Non-ferrous Metal	Rockwell Hardness - HRBW	ASTM E 18: 2024
29.	Ferrous & Non-ferrous Metal	Rockwell Hardness - HRBW	ISO 6508 -1: 2023 (E)
30.	Ferrous & Non-ferrous Metal	Brinell Hardness - HBW (10/3000)	IS 1500 Part 1: 2019
31.	Ferrous & Non-ferrous Metal	Brinell Hardness - HBW (10/3000)	ASTM A 370: 2024

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Mechanical Testing			
Sl. No.	Product(s)/Material of Test	Specific Tests Performed	Test Method
	<b>Mechanical Properties of Metals</b>		
32.	Ferrous & Non-ferrous Metal	Brinell Hardness - HBW (10/3000)	ASTM E 10: 2023
33.	Ferrous & Non-ferrous Metal	Brinell Hardness - HBW (10/3000)	ISO 6506 - 1: 2014
34.	Ferrous & Non-ferrous Metal	Microstructure Examination	ASM Handbook VOL. 9: 2004
35.	Ferrous & Non-ferrous Metal	Grain Size by Microscopic Method	IS 4748: 2021
36.	Ferrous & Non-ferrous Metal	Grain Size by Microscopic method	ASTM E 112: 2024
37.	Ferrous & Non-ferrous Metal	Inclusion Rating Method A, D	IS 4163: 2021
38.	Ferrous & Non-ferrous Metal	Inclusion Rating Method A, D	ASTM E45: 2018a (RA 2023)

