



**National Accreditation Board for
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



CERTIFICATE OF ACCREDITATION

RAMKRISHNA FORGINGS LTD.

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

Baliguma, P.O. Kolabira, Saraikela Kharswan, Jamshedpur, Jharkhand

in the field of

CALIBRATION

Certificate Number CC-2416

Issue Date 12/10/2017

Valid Until 11/10/2019

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

Avijit Das
Program Director



89076970200020000136

Anil Relia
Chief Executive Officer



National Accreditation Board for Testing and Calibration Laboratories

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SCOPE OF ACCREDITATION

Laboratory Ramkrishna Forgings Ltd., Baliguma, P.O. Kolabira, Saraikela Kharswan, Jamshedpur, Jharkhand

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number CC-2416 **Page** 1 of 2

Validity 12.10.2017 to 11.10.2019 **Last Amended on** --

| Sl. | Quantity Measured / Instrument | Range/Frequency | *Calibration Measurement Capability (\pm) | Remarks |
|--|---|--------------------------------|---|---|
| MECHANICAL CALIBRATION | | | | |
| I. DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.) | | | | |
| 1. | Fixed and Adjustable Snap Gauge [§] | Upto 350 mm | 2 μ m | Using Slip Gauge Block Set |
| 2. | Plain Plug Gauge [§] | Upto 100 mm | 2.5 μ m | Using Dial Comparator Gauge Stand, Dial Indicator, Slip Gauge Block Set |
| 3. | Vernier Caliper [§] L. C.: 0.01 mm | 0 to 600 mm | 9 μ m | Using Caliper Checker |
| 4. | External Micrometer [§] L.C. 0.001 mm | 0 to 100 mm 100 mm to 00 mm | 0.8 μ m 2 μ m | Using Slip Gauge Block Set & Micrometer Stand |
| 5. | Height Gauge [§] L. C.: 0.01 mm | 0 to 600 mm | 9 μ m | Using Caliper Checker |
| 6. | Dial/Digital Gauge [§] (Plunger Type) L. C.: 0.001 mm ^φ | 0 to 12 mm 0 to 50 mm | 0.6 μ m 2.4 μ m | Using I-Checker |
| 7. | Dial Gauge [§] (Lever Type) L. C.: 0.001 mm ^φ | 0 to 14 mm 0 to 0.8 mm | 0.6 μ m 2.3 μ m | Using I-Checker |
| 8. | Bore Gauge [§] (Travel only) | 1 mm | 1 μ m | Using I-Checker |

Abhinav Thakur
Convenor

Avijit Das
Program Director



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|-----|--|-----------------|---|--------------------------|
| 9. | Feeler Gauge ^s | Upto 1 mm | 2.5 μ m | Using Digital Micrometer |
| 10. | Thread Plug Gauge ^s (Effective Diameter) | 8 mm to 100 mm | 3 μ m | Using FCDM |

* Measurement Capability is expressed as an uncertainty (\pm) at a confidence probability of 95%

^s Only in Permanent Laboratory

^{ph} Laboratory can also calibrate instruments/devices of coarser resolution / least count within the accredited range using same reference standard/ master equipment under the scope of accreditation.


Abhinav Thakur
Convenor


Avijit Das
Program Director