



NABL

National Accreditation Board for Testing and Calibration Laboratories

Department of Science & Technology, India

CERTIFICATE OF ACCREDITATION

YOUNG ENGG. & CALIBRATION SERVICES PVT. 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

HOWRAH

in the field of

MECHANICAL CALIBRATION

Certificate Number C-0491

Issue Date 11/04/2008

Valid Until 10/04/2010

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

Signed for and on behalf of NABL

Convenor

Jaydip Kanango

Director

Dr B. Hari Gopal

Chairman

Dr T. Ramasami



रा.प्र.प्र.बो.

राष्ट्रीय परीक्षण और अंशशोधन
प्रयोगशाला प्रत्यायन बोर्ड
विज्ञान एवं प्रौद्योगिकी विभाग, भारत

प्रत्यायन प्रमाण-पत्र

इयंग इंजीनीयरिंग एण्ड कालिब्रेशन सार्विसेस प्राइवेट लिमिटेड

का मूल्यांकन और प्रत्यायन निम्न मानक के अनुसार

आई.एस.ओ./आई.ई.सी. 17025:2005

“परीक्षण एवं अंशशोधन प्रयोगशालाओं की सक्षमता की सामान्य अपेक्षाएँ”

हावड़ा

में स्थित इसकी सुविधाओं के लिए

यान्त्रिकी अंशशोधन

के क्षेत्र में किया गया।

प्रमाण-पत्र संख्या अ- 0491
जारी करने की तिथि 11/04/2008

वैधता की तिथि 10/04/2010

यह प्रमाण-पत्र उपर्युक्त मानक तथा राष्ट्रीय परीक्षण और अंशशोधन प्रयोगशाला प्रत्यायन बोर्ड की अतिरिक्त अपेक्षाओं का निरंतर संतोषप्रद अनुपालन किए जाने पर अनुबंध में निर्दिष्टानुसार प्रत्यायन के क्षेत्र के लिए वैध रहेगा।

रा.प्र.प्र.बो. की ओर से हस्ताक्षरित

जयदीप कानुनगो
संयोजक
जयदीप कानुनगो

डॉ. हरि गोपाल
निदेशक
डा. वी. हरि गोपाल

डा. टी. रामसामी
अध्यक्ष
डा. टी. रामसामी



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Department of Science & Technology, India

SCOPE OF ACCREDITATION

Laboratory Young Engg. & Calibration Services Pvt. Ltd., Howrah
Field Mechanical Calibration Issue Date 11.04.2008
Certificate Number C-0491 Valid Until 10.04.2010
Last Amended on - Page 1 of 4

Quantity Measured / Instrument	Range	* Best Measurement Capability (\pm)	Remarks
1. External Micrometer L.C. 0.001 mm	0-25 mm 25 -150 mm 150 -300 mm	1.2 μ m 2.4 μ m 4.4 μ m	Using Slip Gauge Set & Long Slip Gauge by Comparison method
L.C. 0.01 mm	0-25 m 25 -150 mm 150 -300 mm	5.9 μ m 6.3 μ m 7.2 μ m	
2. Internal Micrometer L.C. 0.01 mm	50 – 350 mm	7.4 μ m	Using Long Slip Gauge, Dig Indicator with Stand by Comparison method
3. Depth Micrometer L.C. 0.01 mm	Up to 300 mm	5.9 μ m	Using Long Slip Gauge Combination by Comparison method
4. Caliper L.C. 0.01 mm	Up to 300 mm	10.5 μ m	Using Slip Gauge Set & Long Slip Gauges by Comparison method
5. Caliper L.C. 0.02 mm	Up to 300 mm	17.6 μ m	Using Slip Gauge Set & Long Slip Gauges by Comparison method

Convener



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Quantity Measured / Instrument	Range	* Best Measurement Capability (\pm)	Remarks
6. Height Gauge L.C. 0.01 mm	Up to 600 mm	15.9 μ m	Using Slip Gauges & Long Slip Gauge by Comparison method
L.C. 0.02 mm	Up to 600 mm	19.1 μ m	
7. Depth Gauge L.C. 0.02 mm	Up to 300 mm	12.9 μ m	Using Slip Gauges & Long Slip Gauge by Comparison method
8. Dial Gauge Plunger Type L.C. 0.001 mm L.C. 0.01 mm	Up to 50 mm Up to 50 mm	6 μ m 6 μ m	Using Dial Cal. Tester LC 0.2 μ m by Comparison method
9. Dial Gauge Lever Type L.C. 0.001 mm L.C. 0.01 mm	Up to 1 mm Up to 1 mm	4.2 μ m 6.0 μ m	Using Dial Cal. Tester LC 0.2 μ m by Comparison method
10. Bore Dial Gauge for Transmission movement	Up to 1 mm	5.8 μ m	Using Dial Cal. Tester LC 0.2 μ m by Comparison method
11. Pistol Caliper L.C. 0.1 mm	Up to 50 mm	108 μ m	Using Slip Gauge Set by Comparison method


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Quantity Measured / Instrument	Range	* Best Measurement Capability (\pm)	Remarks
12. Plain Plug Gauge	0 - 25 mm	3.9 μ m	Comparison method
13. Cylindrical Measuring Pin	0 - 25 mm	3.9 μ m	Comparison method
14. Feeler Gauges	Up to 2 mm	3.9 μ m	Comparison method
15. Foils	Up to 2 mm	3.9 μ m	Comparison method
16. Coating Thickness Gauge Non magnetic coating on Magnetic Base	Up to 0.66 mm	2.9 μ m	Comparison method
17. Measuring Scales	Up to 1000 mm	600 μ m	Using Scale / Tape Calibration Unit by Comparison method
18. Measuring Tape	Any Length L mm	295 X $\sqrt{(L/600)}$ μ m	Using Scale / Tape Calibration Unit by Comparison method
19. Hegman Gauge	Up to 1 mm	4.3 μ m	Comparison method

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Young Engg. & Calibration Services Pvt. Ltd., Howrah

Field

Mechanical Calibration

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Quantity Measured / Instrument	Range	* Best Measurement Capability (\pm)	Remarks
20. Dial Thickness Gauge L.C. 0.01 mm	Upto 25 mm	5.7 μ m	Using Slip Gauge Set by Comparison method
21. Micrometer setting Rods	Up to 350 mm	6.9 μ m	Using Long Slip Gauge & Dial Indicator by Comparison method
22. Pressure Gauge	0-30 kg/cm ²	0.50 kg/cm ²	Using Digital Pressure Gauge by Comparison method

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

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