



# Reliable Testing Services

APPROVED BY GOVT. OF INDIA - NABL AS PER ISO/IEC  
17025:2017 IN THE FIELD OF MECHANICAL, CHEMICAL &  
CORROSION TESTING OF METALS & WELDS

Unit No. 59, Bindal Industrial Estate,  
Kurla-Andheri Road, Sakinaka,  
Mumbai - 400 072, Maharashtra, India.  
Tel: +91-22-2851 6406  
Email: [info@reliabletestingservices.com](mailto:info@reliabletestingservices.com) |  
Website: [www.reliabletestingservices.com](http://www.reliabletestingservices.com)

## PRICELIST - EFFECTIVE MAY 2023

All Prices in Indian Rupees (INR ₹)

NO.	TEST DESCRIPTION	COST PER TEST (₹)
<b>A</b>	<b>MECHANICAL TESTING</b>	
1.	Tensile Test	₹140
2.	Plugging Charges for Tube Tensile	₹100
3.	Tensile Test with 0.2% & 1.0% Proof Stress & 0.5% Extension Under Load	₹330
4.	Stress-Strain Proof Stress Diagram	₹50
5.	Tensile Test at elevated temperature (Hot Tensile) up to 400 °C	₹2,500
6.	Tensile Test on Machined Specimen	₹250
7.	Tensile Test for TMT Bars up to 16mm	₹220
8.	Tensile Test for TMT Bars above 16mm (up to 32mm)	₹300
9.	Tensile Test on Full Section (25mm to 45mm)	₹425
10.	Weight per Meter for TMT Bars/Sections/Shapes	₹100
11.	Rebend Test on TMT Bars up to 16mm	₹180
12.	Rebend Test on TMT Bars above 16mm (up to 32mm)	₹225
13.	Through Thickness Tensile Test	₹200
14.	Shear Test on Cladded Plate	₹375
15.	Shear Test on Bolts/Studs/Tie Rods	₹325
16.	Erichsen Cupping Test	₹300
17.	Nick Break Test	₹150
18.	Bend Test on Plates/Sections up to 30mm thick	₹150
19.	Bend Test on Plates/Sections above 30mm thick	₹180
20.	Proof Load Test - for Nuts - up to 400kN	₹200
21.	Proof Load Test - for Nuts - above 400kN	₹300
22.	Flaring/Flattening/Crushing Test	₹125
23.	90°/180° Bend on Pipes/Tubes	₹500
24.	Pull Out/Compression Test on Clamps/Chain/Blocks	₹400
25.	Pull Out/Compression Load Test per Hour (For job requiring setup and assembly)	₹1,000
26.	Pull Out Test on Mock Up (Tube-to-Tubesheet Joint)	₹300
27.	Tear Test on Mock Up (Tube-to-Tubesheet Joint)	₹200
28.	Minimum Leak Path (MLP) Measurement on Mock Up (Tube-to-Tubesheet Joint)	₹200
29.	Fracture Test on Fillet Welded Test Coupon	₹200
30.	Macroetch Test on Fillet/Plate Welded Test Coupon	₹150
31.	Dimensions/Measurement Test	₹100
32.	Macroetch Test on Pipes up to 4" NB	₹175
33.	Macroetch Test on Pipes above 4" NB - up to 8" NB	₹200
34.	Macroetch Test on Pipes Above 8" NB - up to 12" NB	₹275
35.	Macroetch Test on Mock Up	₹275
36.	Macroetch Test on Forging/Billets/Blooms	₹275
37.	Macroetch Photograph	₹50
38.	Hardness Test - Rockwell Scale - Per Location	₹125
39.	Hardness Test - Brinell/Vickers - Per Location	₹160
40.	Portable Hardness Test - Within 5 km	₹2,000
41.	Portable Hardness Test - Beyond 5km	On Request
42.	Impact Test at Room Temperature	₹225
43.	Impact Test up to Minus (-) 60 °C	₹300
44.	Impact Test Below Minus (-) 60 °C	₹350
45.	Lateral Expansion Measurement - Per Measurement	₹150
46.	Torsion Test on Wires	₹500
47.	Wrapping/Coiling/Stretching Test on Wires	₹200



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NO.	TEST DESCRIPTION	COST PER TEST (₹)
<b>B</b>	<b>CHEMICAL TESTING</b>	
1.	Chemical Analysis by OES - Per Element (more than two elements)	₹75
2.	Chemical Analysis by OES - Per Element (up to two elements)	₹200 per element
3.	Special Elements (Nitrogen, Boron, etc.) - Per Element	₹250 per element
4.	Unknown Sample - Testing by OES (10 Elements)	₹750
5.	Wet Analysis - Each element	₹125
<b>C</b>	<b>CORROSION TESTING</b>	
1.	Intergranular Corrosion (IGC) Practice A (ASTM A262)	₹450
2.	IGC Practice A (ASTM A262) with Photograph	₹500
3.	IGC Practice B (ASTM A262)	₹2,800
4.	IGC Practice C (ASTM A262)	₹4,000
5.	IGC Practice E (ASTM A262) - 15 Hours	₹1,200
6.	IGC Practice E (ASTM A262) - 24 Hours	₹1,350
7.	IGC Practice E (ASTM A262) - 72 Hours	₹2,000
8.	Sensitization Heat Treatment for IGC Test	₹150
9.	Hydrogen Induced Cracking (HIC) - NACE TM0284	₹16,000
10.	Controlled Specimen (As per Customer Request)	₹4,500
11.	Sulphide Stress Corrosion Cracking (SSCC) Test - NACE TM0177 at Room Temp. (C-Ring)	₹20,000
12.	SSCC Test - NACE TM0177 at 90 °C and 16 Bar Pressure (C-Ring)	₹85,000
13.	SSCC Test - NACE TM0177 at 120 °C and 20 Bar Pressure (C-Ring)	₹95,000
14.	Chloride Stress Corrosion Cracking (CSCC) at 155 °C Using MgCl <sub>2</sub> for 168 Hours (ASTM G36)	₹20,000
15.	CSCC at 100 °C Using CaCl <sub>2</sub> for 500 Hours (ASTM G36)	₹28,000
16.	Pitting Corrosion - 24 Hours (ASTM G48)	₹3,000
17.	Pitting Corrosion - 72 Hours (ASTM G48)	₹4,500
18.	Crevice Corrosion - 24 Hours (ASTM G48)	₹3,250
19.	Crevice Corrosion - 72 Hours (ASTM G48)	₹5,000
20.	Four Point Bend Test	On Request
21.	Salt Spray/ Fog Chamber Test (ASTM B117 or Equivalent) - first 24 hours or fraction thereof	₹1,000
22.	Salt Spray/ Fog Chamber Test for each additional 24 hours or Fraction thereof	₹500
23.	Photographs for Salt Spray Test (Per Photograph)	₹50
24.	IGC Test (ISO 3651 - Method A/B/C)	₹2,200
25.	IGC as per G28 - 24 Hours	₹3,300
26.	IGC as per G28 - 120 Hours	₹4,200
<b>D</b>	<b>METALLOGRAPHY/MICROSTRUCTURE RELATED TESTING</b>	
1.	Microstructure Analysis Test	₹450
2.	Microstructure Analysis with Photograph - Each Magnification	₹525
3.	Microstructure Analysis of Duplex Stainless Steel (ASTM A923 Method A)	₹1,000
4.	Microstructure Analysis of Non-Ferrous Metals (Copper/Aluminum/Nickel Alloys)	₹1,000
4.	Mounting charges for uneven/small specimens	₹100
5.	Ferrite measurement by metallography (ASTM E562)	₹2,500
6.	Ferrite Measurement by Feritescope	₹400
7.	Depth of decarburization	₹425
8.	Case Depth Measurement	₹550
9.	Inclusion Rating - Method A	₹550
10.	Inclusion Rating - Method D	₹2,500
11.	Nodularity/ Nodule Count	₹750
12.	Porosity Test on Spray Painted Surface	₹500
<b>E</b>	<b>MISCELLANEOUS TESTING</b>	
1.	Normalizing Heat Treatment Cycle - Per Hour	₹700
2.	Stress Relieving Heat Treatment Cycle - Per Hour	₹600
3.	Zinc Coating by Stripping Solution Test Method	₹300



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NO.	TEST DESCRIPTION	COST PER TEST (₹)
4.	Zinc Coating by Direct Instrument	₹200
5.	Zinc Coating Uniformity Test (Preece Test)	₹450
6.	Adhesion Test - Cross Cut/Hammer Test/Bend Test	₹325
7.	Mercurous Nitrate Test	₹350
8.	Water Testing - Chloride Content & pH Value	₹300
9.	Surface Integrity Check	₹500
10.	Radiography Test - Per Test Coupon	On Request
11.	Ultrasonic Test - Per Sample (On Site/In House)	On Request
12.	Surface Roughness Test - Per Surface	₹100
13.	Positive Material Identification (PMI) by XRF Analyzer (Half Day)(Traveling Cost Additional)	₹5,000
14.	Positive Material Identification (PMI) by XRF Analyzer (Full Day) (Traveling Cost Additional)	₹8,000
15.	Any other Test Not Listed on Price List	On Request

MACHINING COST/TEST SPECIMEN PREPARATION COSTS				
NO.	MACHINING FOR	CS/MS (A)	AS/SS(B)	Hard Metals (C)
<b>F</b>	<b>TENSILE TEST SPECIMEN</b>			
1.	Tensile Specimen - up to 25mm Thk/Dia	₹150	₹170	₹250
2.	Tensile Specimen - above 25-50mm Thk/Dia	₹190	₹225	₹400
3.	Tensile Specimen - above 50-100mm Thk/Dia	₹230	₹350	₹600
4.	Tensile Specimen - above 100mm Thk/Dia	₹275	₹400	₹1,000
5.	Through Thickness Tensile Specimen	₹250	₹700	₹1,000
6.	Hot Tensile Specimen	₹120	₹250	₹400
7.	Transverse Tensile - up to 20mm Thk/Dia	₹130	₹250	₹400
8.	Transverse Tensile - above 20mm Thk/Dia	₹160	₹300	₹500
9.	Full Thickness Tensile Specimen	₹350	₹500	₹900
10.	Hot Tensile Threading Charges	₹200	₹250	₹300
<b>G</b>	<b>MACRO TEST MACHINING</b>			
1.	Specimen - up to 50mm Thk/Dia	₹120	₹180	NA
2.	Specimen - above 50-100mm Thk/Dia	₹150	₹250	NA
3.	Specimen - above 100mm Thk/Dia	₹180	₹300	NA
<b>H</b>	<b>FLATTENING MACHINING</b>			
1.	Pipe/Tube - up to 200mm OD	₹120	₹180	₹250
2.	Pipe/Tube - above 200mm-400mm OD	₹150	₹250	₹350
3.	Pipe/Tube - above 400mm OD	₹250	₹350	₹500
<b>I</b>	<b>BEND SPECIMEN MACHINING</b>			
1.	Specimen - up to 25mm Thk/Dia	₹130	₹200	NA
2.	Specimen - above 25-50mm Thk/Dia	₹175	₹300	NA
3.	Specimen - above 50mm Thk/Dia	₹225	₹330	NA
<b>J</b>	<b>IMPACT SPECIMEN MACHINING</b>			
1.	Impact with Notching	₹250	₹350	₹500
2.	Only Notching	₹200	₹250	₹400
3.	Impact by Wire Cutting	₹800	₹800	On Request
4.	Only Notching by Wire Cutting	₹400	₹400	On Request
<b>K</b>	<b>MISCELLANEOUS CUTTING/MACHINING CHARGES</b>			
1.	Specimen - up to 50mm Thk/Dia	₹300	₹500	₹800
2.	Specimen - above 50mm Thk/Dia	₹700	₹900	NA
3.	For Hard Materials - up to 10mm Thk	₹700	₹900	₹1,000
4.	Mock Up/Test Coupon/Miscellaneous	₹150	₹200	₹500
5.	Cladding Removal (per mm thickness)	NA	₹350	₹800



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## TERMS & CONDITIONS

1. We at Reliable Testing Service (henceforth, RTS) strive hard to service our customer with sincerity, performing testing as per stated or implicitly understood standards & specifications. Relevant condition(s) stated in the Test Certificate shall apply.
2. Interpretation & remarks contained in the test reports are based upon implicit request from customer(s) or their agents. These interpretations are always objective. As Acceptance or Rejection criterion is the sole responsibility of customer(s) or their agents & as such RTS and their officers, employees or directors shall not be held liable under any circumstances. Test reports issued by RTS relates only to the sample/test piece submitted to RTS for testing.
3. Any discrepancies observed in the test report shall be brought to our notice immediately upon receipt or within 7 days for amendment(s). If a Third Party Inspection Agency (TPIA) had witnessed the tests, the amendment request has to be approved by the TPIA.
4. Certificate Amendments: A written request for amendment(s) will have to be made on the customer letter head (or an Email from an authorized representative). Requested changes or amendments that are feasible & admissible only will be made and such decision will be taken by us which will be binding upon the customer. Amendment tests reports will be on chargeable basis at ₹100 per Lab Report/T.C. Original reports along with the copies MUST be submitted to RTS.
5. RTS preserves tested samples for a period of 15 days only. Customer who desires to take back the balance of materials and/or tested samples should make their own arrangements and at their own cost within 15 days to collect them from RTS with prior appointment. A written request (or an email) from an authorized person, is mandatory for the request to pick up the materials and/or tested samples.
6. Test Request: Customers are requested to send all samples/items for testing to the lab with a test request letter or on the RTS Lab Test Requisition Form (which can be downloaded from our website) with a clearly identifying the test items, specification & tests required. Unless the tests are mentioned, it will be presumed that all tests given in the referred specification are to be performed.
7. We follow first-in-first-out sequence in testing for all the samples received at our facilities. Urgency charges (additional 50%) shall be charged for any samples required to be tested urgently or out-of-turn sequence.
8. No part of the report/T.C. can be reproduced without prior written (or an email) request and confirmed written (or an email) approval from RTS. Whenever reproduced, the same should be reproduced in FULL, whenever necessary and at the risk and peril of the customer. RTS shall not be liable for any such reproduction.
9. RTS issues only a SINGLE original copy of the test report/T.C. Any additional copies of reports shall be provided at ₹100 per Lab Report/T.C. with "DUPLICATE COPY" stamped on the additional copies.
10. Additional cutting charges may be levied for high thickness/hard materials at the sole discretion of the lab.
11. Prices are subject to change without any prior intimation or notice. It is expected that customers go through the pricelist and conditions before submitting materials to RTS for testing. Once the material is tested, invoicing will be done as per pricelist prevalent at the time of invoicing. Our latest pricelist is uploaded on our website at <https://www.reliabletestingservices.com>. Customers are advised to follow the latest pricelist or the latest quotations received by email from our accounts team members.
12. Any Interpretation of standard/specification/ITP/QAP or drawings submitted by customer and identification of the tests will be charged at ₹400 per standard/specification/ITP/QAP or drawings.
13. Acceptance of Terms & Condition: Acceptance of even one test certificate by the customer shall imply that the customer agrees to abide by the terms & condition mentioned in this document.