

Fees structure for testing of materials

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PART I—Orders and Notifications by the Governor of West Bengal, the High Court, Government Treasury, etc.

GOVERNMENT OF WEST BENGAL

LABOUR DEPARTMENT

Labour Welfare

NOTIFICATION

No. 200-LW/IR-1/2003.—25th March 2004.—Whereas a proposal was published, as required by sub-section (1) of section 31 of the Indian Boilers Act, 1923 (5 of 1923) (hereinafter referred to as the said Act), in the *Kolkata Gazette, Extraordinary*, on 10th October, 2003, under this Department notification No. 678-LW/IR-1/2003, dated the 29th September 2003, inviting objections or suggestions from all persons likely to be effected thereby ;

And whereas objections and suggestions received in regard to the proposal have been duly considered ;

Now, therefore, in exercise of the power conferred by clause (f) of section 29 of the said Act, the Governor is pleased hereby to specify the following rates of Testing Fees mentioned in the "SCHEDULE" below, for the tests being carried out at the Testing Laboratory under the Directorate of Boilers, West Bengal :—

SCHEDULE

MECHANICAL TESTING SECTION

Sl. No.	Nature of Test	Testing Fees Rs.
1.	Tensile Test	
	(a) Tensile test including sample preparation	200
	(b) Tensile test including Stress Strain Graph	390
	(c) Tensile test on ready machined samples	130
	(d) Tensile test on Wire/Red/Grey Iron Castings	200
	(e) Proof Stress test at elevated temperature	750
	(f) Extra charge for Machining each test piece for above test	200

20-25/11/04

Sl. No.	Nature of Test	Testing Fees
		Rs.
2.	Bend Test	
	(a) Ready machined	130
	(b) Above test including samples preparation	200
	(c) Reverse Bend Test	130
	(d) Nick Break Test	100
3.	Impact Test on Notched Bars	
	(a) Machining charges for 3 pieces of Charpy Impact Test Specimen	460
	(b) Machining charges for single Notch Charpy Impact Test	160
	(c) Impact test on ready machined notched bar/welded joint at room temperature and up to zero degree centigrade	500
4.	Hardness Test by Vickers/Brinell/Rockwell	
	(a) Four impressions on one piece without surface preparation	200
	(b) Hardness test including sample preparation for four impressions	300
5.	Flattening/Crushing Test	200
6.	Expanding/Drifting Test	200
7.	Calibration of Pressure Gauges (only calibration)	300 per sample
8.	Calibration of Proving Devices and Dynamometers	
	(a) Upto and including 30 Tons	1,000 per sample
	(b) More than 30 Tons and up to 100 Tons	1,200 per sample
9.	Transverse Test	
	(a) Testing of cast iron bar including measurement of deflection	300
	(b) Testing of cast iron bar including measurement of deflection after sample preparation	400
10.	Additional Copy of Test Report	50 per copy

CHEMICAL TESTING SECTION

1.	(A) Ferrous Metals and Alloys	
	(a) Carbon Steel complete analysis (5 elements)	1,100
	(b) Alloy Steel complete analysis (7 & 8 elements)	1,250
	(c) Carbon Steel Individual Element	300
	(d) Cast Iron (Total Carbon, Graphitic Carbon, Combined Carbon, Silicon, Manganese, Sulphur, and Phosphorus)	1,100

Sl. No.	Nature of Test	Testing Fees
	(e) Alloy Steel Individual Element	Rs. 300
	(f) Cast Iron-Other alloying elements like Nickel, Chromium, Molybdenum - each	300
	(g) Cast Iron-Other alloying elements like Nickel, Chromium, Molybdenum - each (Individual element)	300
	(h) Stainless Steel Complete analysis (7 to 8 elements)	300
	(i) Stainless Steel Individual Elements	1,250
	(B) Non Ferrous Metals	300
	(a) Per set of 7 to 8 elements	
	(b) per set of 5 to 6 elements	1,200
	(c) Per set of 3 to 4 elements	1,150
	(d) Individual element	1,100
	(C) Metascopic Test / Charges per element	300
2.	Galvanisation Test (Efficiency of galvanisation copper, Sulphate Dip test, Thickness of Galvanisation or weight of spelter coat per unit area)	200
3.	Ph-Value Determination	300
		300
		per sample

NON-DESTRUCTIVE TESTING SECTION
(Ra diographic Examination with X-Rays or Gamma Rays)

1.	Welded Boiler Tubes and Pipes	
	(a) Up to 100 mm outside Dia. per joint	200
	(b) Above 100 mm and up to 190 mm outside dia. per joint	400
	(c) Outside Dia. (above 190 and up to 290) mm. per joint	600
	(d) Outside Dia. (above 290 and up to 390) mm. per joint	900
	(e) Outside Dia. above 390 mm. per 12 inch. length of Film	200
2.	Castings and Forgings	
	(a) Castings and Forgings up to 100 mm. thick per 900 sq. cm. or a fraction thereof per exposure	600
	(b) Castings and Forgings above 100 mm. thick. per 900 sq. cm. or a fraction thereof per exposure	700
3.	Welder's Plate / Drum / Vessel Etc.	
	(a) Weld joints up to 32 mm. material thickness, per running 30 cm. length or a fraction thereof per exposure	200
	(b) Weld joints above 32 mm. but not exceeding 50 mm. material thickness per running 30 cm. length or a fraction thereof, per exposure	250
	(c) Weld joints above 50 mm. per running 30 cm. length or a fraction thereof, per exposure	300
4.	Cast Iron/Cast Steel Valves	
	(a) Up to 100 mm. valves including Chest, Bonnet and Body	500
	(b) Above 100 mm. and up to 150 mm. valves including Chest, Bonnet and Body	600
	(c) Above 150 mm. and up to 200mm. valves including Chest, Bonnet and Body	1200
	(d) Above 200 mm. valves including Chest, Bonnet and Body	2000

Sl. No.	Nature of Test	Testing Fees Rs.
5.	Shank Hook	
	(a) Up to 5 Ton Capacity	400
	(b) Up to 10 Ton Capacity	500
	(c) Up to 20 Ton Capacity	1000
6.	Ultrasonic Test	
	(a) Plate per sq. meter or a fraction thereof	300
	(b) Weld Joint per running meter length or a fraction thereof	300
	(c) Forgings and Castings per cubic meter or a fraction thereof	800
7.	Ultrasonic Thickness Gauging	
	(a) Boiler Tubes, Pipes and Plates per sample per spot	200
	(b) Boiler Tubes, Pipes and Plates per sample	350
	(c) Boiler Tubes, Pipes and Plates per sample per additional spot	per two spots 120
8.	Magnetic Crack Detection and Dye Penetrant Tests	
	(a) Weld joint per running meter length or a fraction thereof per sample	300
	(b) Castings and Forgings per 100 sq. cm. or a fraction thereof; per sample	200
	(c) Plate per one sq. meter surface area or a fraction thereof	400
9.	Interpretation of Radiographs	
	Per film of weld joint	30

CHECK TEST OF WELDING ELECTRODES

1.	Inspection and approval charges for Initial Tests of Electrodes	9000 (per brand)
2.	Inspection and approval charges for Initial Tests of Electrodes	9000 plus actual welding and testing charges (per brand)
3.	Periodic Check Tests	3000 (per brand)
4.	Periodic Check Tests	3000 plus actual welding and testing charges (per brand)

METALLOGRAPHY SECTION

1.	Macro Etch Test	100 per sample
2.	Macro Etch Test and Micro Exam.	700 per sample
3.	Micro Examination for Grain Structure	600 per sample

Sl. No.	Nature of Test	Testing Fees
4.	Micro Hardness Test	Rs. 700
5.	Sulphur Print Test	per sample 150
6.	Visual Examination	per sample 150
7.	Visual Examination with photograph of the sample	per sample 700
8.	Macro Etch Test for determination of flow lines of forgings per sample	500
9.	Additional copy of Macrophoto per copy	100
10.	Additional copy of Microphoto per copy	100
11.	Additional copy of Test Report per copy	30
12.	Additional copy of Test Report with photo per copy	130
13.	In-Situ Metallography charges (per spot) for taking replicas	500

WELDING SECTION

1.	Certification fees (as determined by the Central Boilers Board, New Delhi)	250
2.	Additional charges for the supply of Welding sets, gas cylinders, electrodes, filler wires, tools and tackles and testing charges of welded test coupons	350
3.	Additional charges for the supply of Carbon Steel pipes and tubes including bevelling (1) Pipe (127mm O.D. × 10mm thick × 100 mm long)	400
	(2) Tube (75mm O.D. × 6mm thick × 100mm long)	per piece 200
	(3) Bevelling charges where materials are brought by the Welders in unmachined condition	per piece 150
	(4) Supply of Argon Gas for TIG Welding	per piece 500
	(5) Chemical Analysis of A.S. Pipe (pipe not supplied by the Test Lab.) for determination of % Chromium and % Molybdenum	600
	(6) Chemical Analysis of A.S. Tube (tube not supplied by the Test Lab.) for determination of % Chromium and % Molybdenum	600
	(7) Heat Treatment of Alloy Steel pipes and tubes per charge/heat	1000
	(8) Duplicate Copy of Welder's Certificate	30
4.	Calibration of Temperature Recorded up to 6 Channels	1500

GENERAL AND SPECIAL CHARGES

(1)	Reporting charges for failure investigation (in addition to individual testing charges)	2000
(2)	Reporting charges for REMNANT LIFE ASSESSMENT OF BOILERS (In addition to individual testing charges)	4000
(3)	Hire Charges for Welding Machines (excluding consumables) per day or part thereof	1000

Sl. No.	Nature of Test	Testing Fees
OUTDOOR INSPECTION DUTY		Rs.
(1)	Visit to the premises of Boiler Makers, Boiler erection sites (per visit), Welding Electrode manufacturing Units and other related establishments	300 plus actual T.A. (300 shall be charged for visit in Kolkata i.e. for establishments located within 8 km. from the Testing Laboratory)
(2)	Witnessing tests at maker's premises	25% of the actual testing charges of the Lab. plus fees as mentioned in (1)
(3)	Testing charges where testing is carried out by the Lab. personnel	Scheduled charges as above plus fees as mentioned in (1)
(4)	Transport Charges	2 x exact fuel and lubricant consumed, with a minimum of Rs. 500.

By order of the Governor,
S. R. SANYAL,
Dy. Secy. to the Govt. of West Bengal.

- ① "0230-00-103-001-14" - Service fees (14) [Gene
[TE]
- ② "0230-00-103-002-27" - other receipts (27) [TE]