

TCR Engineering Services

CITY OFFICE

35, Pragati Industrial Estate,
N.M. Joshi Marg, Mumbai 400 011.
Maharashtra, India.

Telephones :

022-23092347, 23073390, 23097921, 23097923, 2309138

Fax : 91-22-23080197

E-mail : sales@tcreng.com

LABORATORY

TCR ENGINEERING SERVICES PVT. LTD.

Plot No. E-182, MIDC-TTC, Electronic Zone,
Mhape, Navi Mumbai - 400 710.

Tel.: 022-27610921-2-3, 27612324, 67380900-999

Fax : 91-22-27612044

Price List Effective : October 1st 2010

www.tcreng.com



MECHANICAL TESTING*		Rs.	MISCELLANEOUS TEST*		Rs.
Tensile / Transverse / Compression Test		160.00	Thermal Shock Test (1 st Glass)		300.00
Tensile Test with proof Stress and Stress & Stress / Strain Diagram with Electronic Extensometer		300.00	Each additional glass		150.00
Tensile Test with 0.2% Proof Stress & Modulus of Elasticity		400.00	Zinc Coating Test each		250.00
Tensile Test of Fine Wires / Foils < 1 mm		300.00	Mercurous Nitrate Test		400.00
Tensile Test for CTD Bars			Persulphate Test on tinned wires		600.00
Upto 20mm dia		160.00	Surface characteristics of CTD bars		300.00
Over 20mm dia		280.00	Coating Test (Chemical Method)		400.00
Sectional weight of CTD Bars		100.00	Proof Load / Slip Test on fabricated items such as clamps and assemblies		500.00
Welding Charges for over 25mm dia		100.00	Erichsen Cupping test		200.00
Bend/Flattening/Flaring/Flanging/Hardness/Ball Test		100.00	Proof load test on Toughened Glasses (first)		200.00
Weldability Test		600.00	(Each Additional)		150.00
MACRO ETCH TEST			Cleanliness Test		800.00
upto 100 mm		200.00	Non Conventional Item and Heavy Items (Load Test)		2000.00 Per Hour
Between 100 to 200 mm		300.00	Image Analysis & Measurement on Microscope		500.00 & up
Over 200 mm		500.00	Inclusion Rating		1500.00
Microexamination, (routine)		600.00	Hardenability Test		3000.00
Microexamination (For Failure Studies)		1500.00	Austenitic Grain Size		1000.00
Mounting Charges for small specimen		100.00	Austenitic Grain Size By Carburising		3000.00
Microphoto (Each Mag./ Location)		100.00	CHARGES FOR FOLLOWING TESTS SHALL BE FURNISHED ON REQUEST —		
Microhardness Test (3 Indentation)		400.00	Qualitative Analysis (PMI Test)		
Rebend Test		150.00	Ultrasonic Test		
Reverse Bend Test		120.00	Magnetic Particle Test		
	IS/BS		Dye Penetrant Examination		
Impact Test (a) R.T.	180.00	ASTM 200.00	Failure Analysis		
Impact Test (b) Upto - 60°C	180.00	200.00	Heat Treatment of coupons		
Impact Test (c) Below - 60°C	200.00	220.00	Inspection Services		
Hydraulic / Pneumatic Test		500.00	NACE Corrosion Test like HIC & SSCC		
*(Fitting and Welding charges extra)		& up	Pitting Corrosion Test		
Compression test of springs (upto 3 reading)		500.00	Crevice Corrosion Test		
Shear Test		300.00	Chloride Stress Corrosion Test		
Ferrite Content Test (MICRO)		1500.00	Radiography		
Ferrite Content Test (Digital)		300.00			
Wedge Load / Head Soundness Test		300.00			
Proof Load Test on Nuts / Bolts		200.00			

Note : Charges for other tests / NDT / INSPECTION etc. shall be furnished upon request.

Top priority testing for out of turn / urgent assignments - 50% extra with full payment in advance.

* Sample preparation and machining charges are extra, see accompanying page for details.

** Not applicable for base element except in case of copper alloys. For base elements refer charges under (4).

*** Transportation cost extra at actuals.

IMPORTANT - SERVICE TAX @ 10.3% (or as applicable)

Lab : 022-67380900-999
 Lab : 2761 0921-2-3
 Fax : 91-22-2761 2044
 E-mail : sales@tcreng.com

R.O. : 2309 1938, 2309 2347
 Fax : 91-22-2308 0197

SCHEDULE OF MACHINING CHARGES
PRICE LIST W.e.f. 1-10-2010



FOR TENSILE SPECIMEN					FOR MACROTECH TEST		
Size*	Carbon Steel Plate (Rs.)	Carbon Steel Bar (Rs.)	All other Plate (Rs.)	All other Bar (Rs.)	Size*	Carbon Steel Pipes (Rs.)	All other Pipes (Rs.)
Upto 10mm	160	100	200	120	Upto 25 mm O.D.	50	60
Over 10 to 20 mm	200	120	220	140	Over 25 to 50 mm O.D.	60	75
Over 20 to 30 mm	220	140	240	170	Over 50 to 100 mm O.D.	100	120
Over 30 to 40 mm	260	200	320	220	Over 100 to 200 mm O.D.	150	200
Over 40 to 80 mm	340	260	340	300	Over 200 to 300 mm O.D.	150	250
Over 80 to 100 mm	340	300	360	340	Over 300 to 400 mm O.D.	200	300
Over 100 to 150 mm	360	340	400	400	Over 400 to 500 mm O.D.	300	400
Over 150 to 200 mm	400	400	440	440			
Over 200 to 250 mm	440	400	500	500			
Over 250 to 350 mm	550	450	600	600			

For Bend Specimen			For Impact Specimen	
Size*	Carbon Steel Plate (Rs.)	Carbon Steel Bar (Rs.)	Carbon Steel Plate (Rs.)	Carbon Steel Bar (Rs.)
➤ 15 mm Thk.	100	Nil	160	160
➤ 15 to 25 mm	150	100	180	180
➤ 25 to 45 mm	200	150	200	200
➤ 45 to 80 mm	300	200	220	220
➤ 80 to 125 mm	320	240	240	240
➤ 125 to 200 mm	350	260	260	260
➤ 200 to 350 mm	360	300	280	280
➤ 350 mm	400	400	300	300

For Pipe Specimen				
Size*	Carbon Steel Tensile (Rs.)	Carbon Steel Flattening (Rs.)	All Others Tensile (Rs.)	All Others Flattening (Rs.)
Longitudinal				
Upto 150 OD X 6 mm Thk	180	60	200	80
Upto 150 OD X over 6 mm Thk	220	100	220	100
Over 150 OD X 8 mm Thk	240	120	300	140
Over 150 OD X 8-20 mm Thk	300	160	350	160
Transverse (limiting width 65mm)				
Upto 10 mm Thickness	200		220	
10 mm upto 20 mm Thk.	220		280	
Over 20 mm & upto 30 mm Thk.	300		350	

Pipe Specimen - Plugging Charges for Small bore Pipe Rs. 40.00

*TENSILE SPECIMEN - THESE CHARGES ARE APPLICABLE FOR SAMPLE WIDTHS UPTO 50MM FOR C.S. AND 35 MM FOR S.S. SAMPLES EXTRA CHARGES FOR LARGER WIDTH