



The All Indian Exhibition
and Conference for the
Tube and Pipe Industries

Bombay Exhibition Centér, Mumbai, Hall 1
10 – 12 February 2010

1	Raw materials, tubes and accessories		
1.1	Tubes, ferrous and alloys		
1.1.1	Carbon content (low)		
1.1.2	Carbon content (high)		
1.1.3	Other alloyed steel tubes		
1.1.3.1	Duplex and nickel base alloy pipe and tube		
1.1.4	Bimetallic tubes		
1.2	Stainless steel (rustproof)		
1.2.1	Austenitic		
1.2.2	Ferritic		
1.2.3	Martensitic		
1.3	Tubes, non-ferrous metal and alloys		
1.3.1	Aluminium		
1.3.2	Brass/bronze		
1.3.3	Copper		
1.3.4	Nickel		
1.3.5	Zinc		
1.3.6	Titanium		
1.3.7	Other		
1.4	Tubes, plastic and composite		
1.4.1	Acrylonitrile Butadiene Styrene (ABS)	1.4.11	Polybutylene
1.4.2	Cross-linked polyethylene (XLPE, PE-X)	1.4.12	Polypropylene (PP)
1.4.3	Glass Fiber Reinforced Epoxy	1.4.13	Polyvinyl chloride (PVC)
1.4.4	Glass Reinforced Polymer (GRP)	1.4.14	Other Tubes based on plastic and composite
1.4.5	Polyethylene (PE) HDPE, MDPE, LDPE	1.5	Tubes, mineral raw materials
1.4.6	Carbon fibre reinforced	1.5.1	Concrete tubes, non-reinforced
1.4.7	Hybrid tubes	1.5.2	Concrete tubes, reinforced
1.4.8	Multi-layer composites	1.5.3	Concrete tubes with protective coating
1.4.9	Nylon	1.5.4	Stoneware tubes (all types and applications)
1.4.10	PTFE	1.5.5	Ceramic tubes (measuring technology, high temperature range)
		1.5.6	Fibrated concrete tubes
		1.6	Tubes made from various manufacturing and processing methods (welded, cold and hot drawn, pressed)
		1.6.1	Welded steel tubes (also water boiler tubes)
		1.6.2	Seamless steel tubes
		1.6.3	Sintered tubes
		1.6.4	Precision tubes
		1.6.5	Threaded tubes (seamless, welded, medium weight, heavy)
		1.6.6	Galvanized and clad tubes (Zn, Cu, Sn etc.)
		1.6.7	Anodized tubes
		1.6.8	Coated tubes
		1.6.9	Surface-treated tubes
		1.6.10	Formed tubes
		1.6.11	Tubes (rolled, insulated, plastic-coated)
		1.6.12	Rectified and chromium plated bars and tubes
		1.6.13	Bored and grinded mirror finish tubes for hydraulic application
		1.6.14	Extruded tubes
		1.6.15	Pilger tubes
		1.6.16	Hydro-formed tubes

List of exhibits

Page 2 of 6



The All Indian Exhibition
and Conference for the
Tube and Pipe Industries

**Bombay Exhibition Centér, Mumbai, Hall 1
10 – 12 February 2010**

1.7	Conduits
1.7.1	Drainage
1.7.2	Discharge systems
1.7.3	Line construction (water, oil, gas, vapour)
1.7.4	Solids transportation (coal, cement, lime, other dust)
1.7.5	Nuclear power stations
1.7.6	Heat exchange and transfer
1.7.7	Drilling technology (water, oil, mineral wells)
1.7.8	Measuring technology
1.7.9	Mechanical engineering (hydraulics, pneumatics)
1.7.10	Blow tubes (steel production, oxygen tubes)
1.8	Construction tubes
1.8.1	Steel construction
1.8.2	Plant construction
1.8.3	General construction (scaffolding, stands, towers)
1.8.4	Masts (tubular masts, lighting, conductors)
1.8.5	Vehicles (bicycles and motorcycles, trailers, cars)
1.8.6	Shipbuilding and aircraft construction
1.8.7	Furniture, musical instruments etc.
1.8.8	Chemicals (including acidproof tubes)
1.8.9	Other (rocket, restrictor, telescopic tubes etc.)
1.9	Tube accessories
1.9.1	Flanges
1.9.2	Seals (screw, hermetic, snug fit)
1.9.3	Connecting pieces (straight and elbows)
1.9.4	Mountings (brackets)
1.9.5	Fittings
1.9.6	Packing, seals
1.9.7	Vibration damping elements
1.9.8	Pipe Couplings
1.9.9	Tube repair elements

1.9.10	Tube and pipe manipulation
1.9.11	Pipe protection caps
1.9.12	Flange protection caps
1.9.13	Thread protectors
2	Tube manufacturing machinery
2.1	Casting
2.1.1	Continuous casting
2.1.2	Spin casting
2.1.3	Powder metallurgy installations
2.1.4	Forging
2.2	Rolling, drawing, extruding
2.2.1	Cold rolling mills
2.2.2	Hot rolling mills
2.2.3	Punches
2.2.4	Plug mills
2.2.5	Stretch rolling mills
2.2.6	Push and drawing benches
2.2.7	Pilger mills
2.2.8	Tube rolling mills
2.2.9	Rotary piercing mills
2.2.10	Diescher mills
2.2.11	Sizing mills
2.2.12	Smoothing and polishing mills
2.2.13	Extruding presses (direct and indirect)
2.2.14	Ultrasonic drawing machines
2.3	Welding, soldering
2.3.1	Tube forming equipment
2.3.2	Tube welding equipment
2.3.3	High-frequency welding equipment
2.3.4	Induction welding equipment

List of exhibits

Page 3 of 6



The All Indian Exhibition
and Conference for the
Tube and Pipe Industries

**Bombay Exhibition Centér, Mumbai, Hall 1
10 – 12 February 2010**

- 2.3.5 Resistance welding equipment
- 2.3.6 Inert gas welding equipment (TIG, ERW, MIG)
- 2.3.7 Simple welding equipment
- 2.3.8 Soldering equipment
- 2.3.9 Fixing devices to centre pipes for welding
- 2.3.10 Forming gas chamber system for localised flooding with forming gas when welding pipes of stainless steel
- 2.3.11 Inside and outside scarfing systems for longitudinally welded tubes
- 2.3.12 Strip shaving equipment for aluminised or galvanised skelp
- 2.3.13 Coil and welding equipment
- 2.3.14 Spiral pipe welding machines

2.4 Heat treatment

- 2.4.1 Drying and heating furnaces
- 2.4.2 Pre- and re-heating systems
- 2.4.3 Tempering furnaces and systems
- 2.4.4 Annealing furnaces (batches and continuous furnaces)
- 2.4.5 Melting furnaces
- 2.4.6 Partial heating systems (including weld seams, edges)
- 2.4.7 Induction annealing furnaces
- 2.4.8 Sintering plant
- 2.4.9 Baking plants (for stoneware tubes etc.)
- 2.4.10 Thermo-mechanical processing plant
- 2.4.11 Heat treatment/Process and equipment

2.5 Tube processing equipment

- 2.5.1 Forming, bending, twisting, fabricating, hydroforming
- 2.5.2 Straightening
- 2.5.3 Sawing, separating, laser cutting
- 2.5.4 Expanding, deburring, peeling, folding
- 2.5.5 Upsetting, beading, compressing
- 2.5.6 Drilling, turning, chamfering, pointing
- 2.5.7 Attaching ribs, grooving, thread cutting

- 2.5.8 Scoring, slotting
- 2.5.9 Hardening, annealing, tempering
- 2.5.10 Spark erosion
- 2.5.11 Pickling, burnishing, phosphating
- 2.5.12 Enamelling
- 2.5.13 Galvanizing, cladding (with zinc, tin, copper, bronze etc.)
- 2.5.14 Anodizing
- 2.5.15 Blanking, profiling, stamping, punching, piercing
- 2.5.16 Grinding, polishing, lapping, honing
- 2.5.17 Insulating
- 2.5.18 Coating (with plastic, insulating material etc.)
- 2.5.19 Marking
- 2.5.20 Cleaning
- 2.5.21 Horizontal strip accumulators
- 2.5.22 Bull-blocks
- 2.5.23 Laser cutting equipment
- 2.5.24 Flying Shears, High-Speed
- 2.5.25 Water jet cutting systems
- 2.5.26 Surface pre-treaters for adhesion of printing ink, lacquer and glue (for polymer plastics, metal, glass, etc.)

2.6 Duct Winding Machines

- 2.6.1 for flexible ducts
- 2.6.2 for rigid ducts

3

Rebuilt and Reconditioned Machinery

- 3.1 Casting and forging
- 3.2 Drawing, extruding, rolling
- 3.3 Welding
- 3.4 Surface- and heat treatment equipment
- 3.5 Tube processing and finishing equipment

turn over

List of exhibits

Page 4 of 6



The All Indian Exhibition
and Conference for the
Tube and Pipe Industries

Bombay Exhibition Centér, Mumbai, Hall 1
10 – 12 February 2010

3.6 Materials handling

3.7 Measuring and control technology

4 Process technology tools and auxiliaries

4.1 Continuous casting

4.2 Pressing, extruding (dies, extrusion dies, arbors)

4.3 Drawing (dies)

4.4 Dies

4.5 Rolling

4.6 Welding, soldering (electrodes, solders)

4.7 Cutting, deburring (saw blades, polishing wheels etc.)

4.8 Auxiliary and operating materials

4.8.1 Lubricants

4.8.2 Drawing and rolling aids

4.8.3 Auxiliary chemicals

4.8.4 Gases (fuel and protective gases)

4.9 Reconditioning

4.10 Other

4.11 Minimum lubrication for tube extrusion

5 Measuring and control technology

5.1 Gauges

5.2 Measuring systems

5.2.1 Roll inspection machines

5.3 Sensors and controllers (temperature, moisture, flow rate)

5.4 Automatic control equipment

6 Testing

6.1 Testing of raw materials

6.2 Non-destructive testing of finished products

6.2.1 Radiographic testing

6.2.2 Laser beam testing

6.2.3 Eddy current test and magnetic particle examination

6.2.4 Sonic and ultrasonic testing

6.2.5 Leakage testing

6.2.6 Other tests

6.2.7 Endoscopes

6.2.8 Hydrostatic tube testing

6.2.9 Optical testing

6.3 Destructive testing of finished products

6.3.1 Fracture and hardness tests

6.3.2 Notched bar impact test

6.3.3 Tests under tensile, compressive and torsional loads

6.3.4 Creep, fatigue and vibration tests

6.3.5 Corrosion tests

6.3.6 Other tests

7 Specialist areas

7.1 Plant engineering and construction

7.2 Logistics

7.2.1 Packing

7.2.1.1 Machinery and constructions

7.2.1.2 Materials

7.2.1.3 Counting, weighing and sorting

7.2.2 Stock automation

Please turn over

List of exhibits

Page 5 of 6



The All Indian Exhibition
and Conference for the
Tube and Pipe Industries

**Bombay Exhibition Centér, Mumbai, Hall 1
10 – 12 February 2010**

- 7.2.2.1 Control and monitoring installations
- 7.2.2.2 Racking systems
- 7.2.2.3 Storing (automatic, mechanical)
- 7.2.3 Handling and transporting - automation
 - 7.2.3.1 Auxiliaries (guides, feed devices, brakes etc.)
 - 7.2.3.2 Small lifting devices
 - 7.2.3.3 Conveying systems
 - 7.2.3.4 Coiling and uncoiling (reels etc.)
- 7.3** Safety technology
- 7.4** Environmental protection
 - 7.4.1 Recycling
- 7.5** Restoration and reparation
 - 7.5.1 Tubes and pipes
 - 7.5.2 Welding seams in the construction of bulk storage tanks
 - 7.5.3 Special machines and fittings
- 7.6** Sawblade grinding machines
- 7.7** HF-Electron Tubes
 - 7.7.1 For capacitive and inductive applications
 - 7.7.2 Rebuilt, for HF Induction Welders
- 7.8** Data technology/Production control
 - 7.8.1 Roll design software
 - 7.8.2 Software for bending
 - 7.8.3 Other
- 7.9** Consulting and services
 - 7.9.1 Management consulting
 - 7.9.2 Construction of tubes and pipes
 - 7.9.3 Services for tube and pipe pickling, electropolishing, annealing
 - 7.9.4 Services for tube and pipe bending (induction or cold), cutting, fabricating

- 7.9.5 Coating services
- 7.10** Research and training
- 7.11** Trade literature, publications
- 7.12** Associations
- 8** Trading, stockists of tubes of
 - 8.1** Ferrous metal
 - 8.1.1 Welded
 - 8.1.2 Seamless
 - 8.2** Non-ferrous metal and alloys
 - 8.2.1 Welded
 - 8.2.2 Seamless
 - 8.3** Plastic and composite materials
 - 8.4** Fiber glass
 - 8.5** Glass
 - 8.6** Ceramic
 - 8.7** Concrete
 - 8.8** Fibre-cement
 - 8.9** Other
- 9** Pipeline and OCTG Technology
 - 9.1** Pipeline construction
 - 9.1.1 Machinery and equipment
 - 9.1.2 Pipeline materials
 - 9.2** Maintenance
 - 9.2.1 Equipment condition monitoring, pigging etc.

Please turn over

List of exhibits

Page 6 of 6



The All Indian Exhibition
and Conference for the
Tube and Pipe Industries

Bombay Exhibition Centre, Mumbai, Hall 1
10 – 12 February 2010

- 9.2.2 Leak searching systems
- 9.3** Surface coating
- 9.4** Corrosion prevention systems
- 9.5** Reconditioning of plant and equipment
 - 9.5.1 Analysis software
 - 9.5.2 Coating services
- 9.6** Delivery systems
 - 9.6.1 Detection systems
- 9.7** Welding equipment ERW, Spiral, Seam, MIG TIG
- 9.8** Fittings
- 9.9** Construction
- 9.10** Planning, design, service
- 10** Profiles and machinery
 - 10.1** Profiles
 - 10.1.1 Steel profiles
 - 10.1.2 Stainless steel profiles
 - 10.1.3 Non-ferrous profiles
 - 10.1.4 Alloyed profiles
 - 10.2** Machinery
 - 10.2.1 Profile Machinery
 - 10.2.2 Profile bending machines
 - 10.2.3 Profile roll forming machines
 - 10.2.4 Profile working machines
 - 10.2.5 Profile cutting machines
 - 10.2.6 Profile end forming machines

List of exhibits

Page 1 of 3



International Exhibition on
Metallurgical Technology
Products and Services in India

Bombay Exhibition Centér, Mumbai,
10 – 12 February 2010

1 Plant and equipment for processing prime and raw materials

- 1.1 Handling of ores, coke and other prime materials
- 1.2 Ore dressing
- 1.3 Coal preparation
- 1.4 Pelletizing plants
- 1.5 Sintering plants
- 1.6 Briquetting plants
- 1.7 Coke oven plants
- 1.8 Scrap preparation plants

2 Plant and equipment for iron making

- 2.1 Blast furnace plants
- 2.2 Direct reduction plants
- 2.3 Smelting reduction plants
- 2.4 Components, ancillary equipments
- 2.5 Burden plant, coal injection plant

3 Plant and equipment for steel making

- 3.1 Basic-oxygen steel making plant
- 3.2 Electric steel production
- 3.3 Secondary metallurgy
- 3.4 Special processes (e.g. argon oxygen decarburization)
- 3.5 Components, ancillary equipment
- 3.6 Deep-desulphurization

4 Plant and equipment for non-ferrous metal production

- 4.1 Reducing
- 4.2 Refining
- 4.3 Smelting
- 4.4 Hydro-metallurgy, electrochemistry
- 4.5 Aluminium retrieval/recycling
- 4.6 Components, ancillary equipment

5 Plant and equipment for casting and pouring of molten steel

- 5.1 Ingot casting
- 5.2 Continuous casting
- 5.3 Near-net-shape-casting
- 5.4 Special processes
- 5.5 Components, ancillary equipment

6 Plant and equipment for casting and pouring of non-ferrous metals

- 6.1 Ingot casting
- 6.2 Continuous casting
- 6.3 Strip casting
- 6.4 Special processes
- 6.5 Components, ancillary equipment

Please turn over

List of exhibits

Page 2 of 3



International Exhibition on
Metallurgical Technology
Products and Services in India

Bombay Exhibition Centér, Mumbai,
10 – 12 February 2010

7	Plant and equipment for shaping of steel
7.1	Steckel mills
7.2	Hot strip mills
7.3	Combined thin slab casting and rolling mills
7.4	Plate rolling mills
7.5	Billet and semi-finished product rolling mills
7.6	Section mills
7.7	Combined primary profile casting and rolling mill systems
7.8	Bar and wire mills
7.9	Ring rolling mills
7.10	Cold rolling mills
7.11	Scin pass rolling mills
7.12	Strip processing lines
7.13	Tube/pipe production lines
7.14	Finishing lines
7.15	Forging, extrusion and drawing machines
7.16	Powder metallurgy
7.17	Reheating and heat treating furnaces
7.18	Hydroforming
7.19	Rolls for hot rolling mills
7.20	Rolls for cold rolling mills
7.21	Components, ancillary equipment

8	Plant and systems for shaping of non-ferrous metals
8.1	Hot rolling mills
8.2	Cold rolling mills
8.3	Foil rolling mills
8.4	Wire mills
8.5	Strip processing lines
8.6	Dressing and finishing lines
8.7	Forging, extrusion and drawing machines
8.8	Reheating and heat treating furnaces
8.9	Components, ancillary equipment
9	Plant and systems for environmental protection and disposal, gas purification
9.1	Dust extraction and gas purification
9.2	Recycling and disposal
9.3	Regeneration plants
9.4	Water management and waste water cleaning
9.5	Noise – protecting installation
9.6	Ancillary equipment

Please turn over



List of exhibits

Page 3 of 3



International Exhibition on
Metallurgical Technology
Products and Services in India

Bombay Exhibition Centér, Mumbai,
10 – 12 February 2010

10 Electrical engineering and process control technology

- 10.1 Electrical equipment
- 10.2 Process control technology and automation
- 10.3 Data processing and software
- 10.4 Engineering and technical support

11 Measurement and test technology

- 11.1 Measurement of physical properties and quantities
- 11.2 Quality control
- 11.3 Material testing
- 11.4 Analysis and laboratory equipment

12 Information processing

- 12.1 Data processing, hardware and software
- 12.2 Computation and simulation software
- 12.3 e-business, e-commerce and IT-solutions

13 Miscellaneous equipment for metallurgical plants and rolling mills

- 13.1 Iron and stellite work vehicles
- 13.2 Lifting and conveying systems
- 13.3 Power transmission engineering, including fluid technology
- 13.4 Transport and storage techniques
- 13.5 Maintenance and repair equipment
- 13.6 Thermal insulation and refractory materials
- 13.7 Operating and ancillary materials
- 13.8 Occupational safety and ergonomics

14 Steel mills

15 Non-ferrous metal works

16 Consultation, planning, services

17 Technical publications, technical periodicals, associations

18 Training