IS 1786-2008

CM/L – 6974196

ISO 9001:2008

BHUWALKA

Bhuwalka Premier TMT Bars

Bhuwalka Premier Group of Companies

Bhuwalka Premier Group of Companies has been a leading supplier of TMT Steel for the Construction Industry in Karnataka since 1988.
At Bhuwalka Premier, we believe in perfection and have a strong team that works towards this endeavor guided by principles laid down by our founders.
We focus on the ease of business and aim at giving our customers unmatched service and developing long-term relationships with them.
Our biggest strength is the goodwill that we have developed over 25 years of experience working with the biggest and most reputed developers in the region

- Meenakshi Bright Steel Bars Pvt Ltd
  1,20,000 MT's per annum of TMT Bars
- Deccan Alloys Pvt Ltd
  60,000 MT's per annum of rolled products
- Confab Steel Pvt Ltd (Sri Lanka)
  1,44,000 MT's per annum of TMT bars
- Bhuwalka Steel Industries Ltd (Sri Lanka)
  25,000 MT's per annum of billets and rolled products
- Bhuwalka Castings Pvt Ltd
  20,000 MT's per annum of castings
- Vishwakarma Refractories Pvt Ltd
  30,000 MT's per annum of refractories

Process

We use the latest Thermex Technology to manufacture the most reliable TMT bars. Thermex technology revolves around a precise, state-of-the-art Thermo-Mechanical -Treatment (TMT) developed and patented by Hennigsdorfer Stahl Engg. (HSE) Gmbh, Germany.

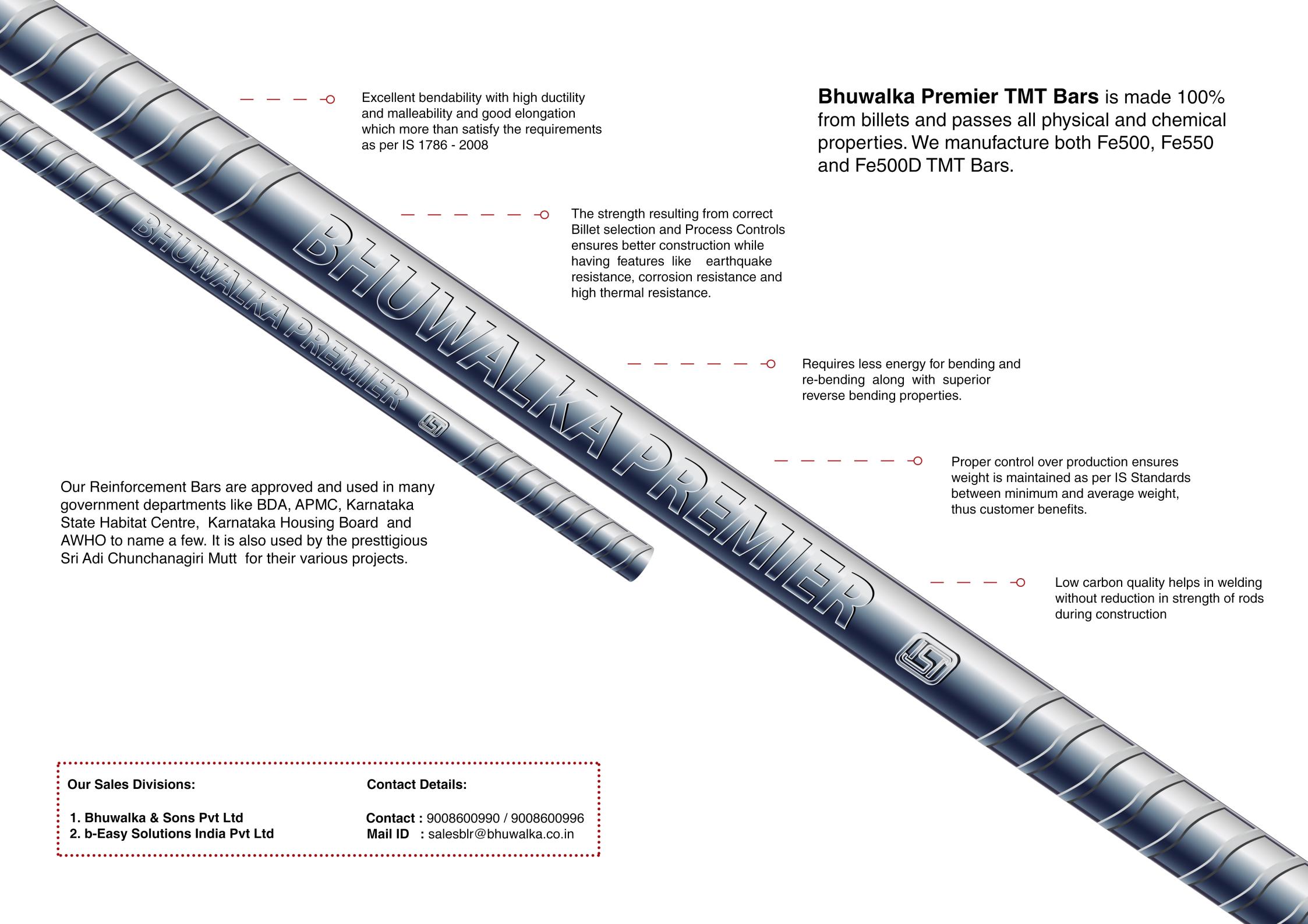
Thermex is the only rapid Water-quenching process that guarantees consistent properties over the entire bar length. The Thermex cooling technology involves subjecting the bar to a sophisticated hi-tech cooling process after rolling. This treatment converts the bar surface to a hardened structure. The subsequent phase involves cooling at ambient temperatures to allow the hot core to temper the surface through thermal exchange. This results in a unique structure characterized by tempered martensite in the peripheral zone and a fine grain ferrite-pearlite at the central zone.

Infrastructure

The rolling mills are High-speed mills with a slit rolling facility and built in environment friendly reheating furnaces with total automation to produce high quality TMT bars.

The roll turning facility is equipped with CNC machines for roll turning and groove cutting for perfect groove geometry.

We have unmatched infrastructure for testing raw materials and finished materials with sophisticated spectrometer and latest computer aided UTM for all qualities, sections and sizes of steel.



Bhuwalka Premier TMT Bars is made 100% from billets and passes all physical and chemical properties. We manufacture both Fe500, Fe550 and Fe500D TMT Bars.

Excellent bendability with high ductility and malleability and good elongation which more than satisfy the requirements as per IS 1786 - 2008

The strength resulting from correct Billet selection and Process Controls ensures better construction while having features like earthquake resistance, corrosion resistance and high thermal resistance.

Requires less energy for bending and re-bending along with superior reverse bending properties.

Proper control over production ensures weight is maintained as per IS Standards between minimum and average weight, thus customer benefits.

Low carbon quality helps in welding without reduction in strength of rods during construction

Our Reinforcement Bars are approved and used in many government departments like BDA, APMC, Karnataka State Habitat Centre, Karnataka Housing Board and AWHO to name a few. It is also used by the presttigious Sri Adi Chunchanagiri Mutt for their various projects.

Our Sales Divisions:

1. **Bhuwalka & Sons Pvt Ltd**
2. **b-Easy Solutions India Pvt Ltd**

Contact Details:

Contact : 9008600990 / 9008600996
Mail ID : salesblr@bhuwalka.co.in

Quality

High standards of Inward Quality Control: The end product is only as good as the billets used. We use billets manufactured by us or sourced from leading manufacturers and subjected to highest standards of control.

Proper Controls are carried out on the entire TMT manufacturing process with testing at various stages of a globally proven advanced technology

We follow a strict No Compromise Policy.

We are an approved manufacturer of Fe-500, Fe- 500D, Fe-550 grade TMT Bars by the Bureau of Indian Standards (BIS) under license No. CM/L – 6974196 to IS 1786-2008.

Our Quality Management System has also been certified by Transpacific Certifications Limited and complies with the requirements of ISO 9001:2008 under certificate no 12097.

Iconic Buildings which have used our TMT Bars

1. Prestige UB City
2. Brigade World Trade Centre
3. Brigade Orion Mall
4. Leela Palace, Bangalore
5. Mantri Pinnacle
6. Brigade Millenium
7. Bharatiya City
8. Prince Tower
9. RMZ Tower
10. Vidhan Soudha

Specifications

Steel - TMT Bars (order units - piece/bundle/tonne)									
Size (mm)	No of rods in a bundle	No of Rods per MT (approx)	Length per rod(metres)	Nominal Weight (kg/m)	Range of weight for batch as per IS 1786:2008	Nominal Weight per 12 M rod	Range of Weight per 12 M rod as per IS 1786:2008	Nominal Weight per Bundle	Range Of Weight per Bundle as per IS:1786:2008
8	10	212	12	0.395	0.367 - 0.423	4.74	4.408 - 5.072	47.4	44.082 - 50.718
10	7	140	12	0.617	0.574 - 0.660	7.404	6.886 - 7.922	51.83	48.202 - 55.458
12	5	95	12	0.888	0.843 - 0.932	10.656	10.123 - 11.189	53.28	50.616 - 55.944
16	3	53	12	1.579	1.500 - 1.658	18.948	18.000 - 19.895	56.84	53.998 - 59.682
20	2	34	12	2.467	2.393 - 2.541	29.604	28.716 - 31.676	59.21	57.434 - 60.986
25	1	22	12	3.855	3.739 - 3.971	46.26	44.872 - 47.648	46.26	44.872 - 47.649
32	1	13	12	6.316	6.127 - 6.506	75.792	73.518 - 78.066	75.79	73.516 - 78.064

Physical and mechanical properties of Fe- 500 TMT bars as per IS- 1786 - 2008	
PHYSICAL & MECHANICAL (MIN)	
0.2% P.S. (or Y.S) N/mm^2 or MPA	500
Tensile Strength N/mm2 or MPA	545
Total Elongation % min	12
CHEMICAL (MAX %)	
Carbon	0.25
Sulphur	0.055
Phosphorus	0.055
Micro-Alloy	0.3
Bend Test	No transverse crack should form after bending through 180° around a mandrel of dia specified below.
Bars upto and including 20 mm, dia	4d
Bars over 20 mm, dia	5d
Rebend Test	No transverse crack should form after bending through 45° and reverse bending the same through 22.5° around the mandrel dia
Bars upto and including 10 mm, dia	5d
bars over 10 mm, dia	7d

We also make Fe 550 and Fe500D TMT Bars

Reliability

Assured Quality

Unmatched Service

Prestige GROUP
Add Prestige to your life

BRIGADE

SOBHA

RMZ CORP HOMES
LIVE BEAUTIFULLY

mantri

PURAVANKARA®

Infosys

BAGMANE

SALARPURIA SATTVA
TRUST. IT'S WHAT WE BUILD
SALARPURIA SATTVA

GINA ENGINEERING COMPANY (P) LTD.
1964

JMC Projects (India) Ltd.

Hiranandani Upscale
Scale up your expectations

Karnataka State
Habitat Centre

Godrej | PROPERTIES

Shriram Properties
Homes that live in you

CICON
CICON Engineers Pvt. Ltd.

Some of Our Clients for Bhuwalka Premier TMT Bars