JSL
JINDAL STAINLESS

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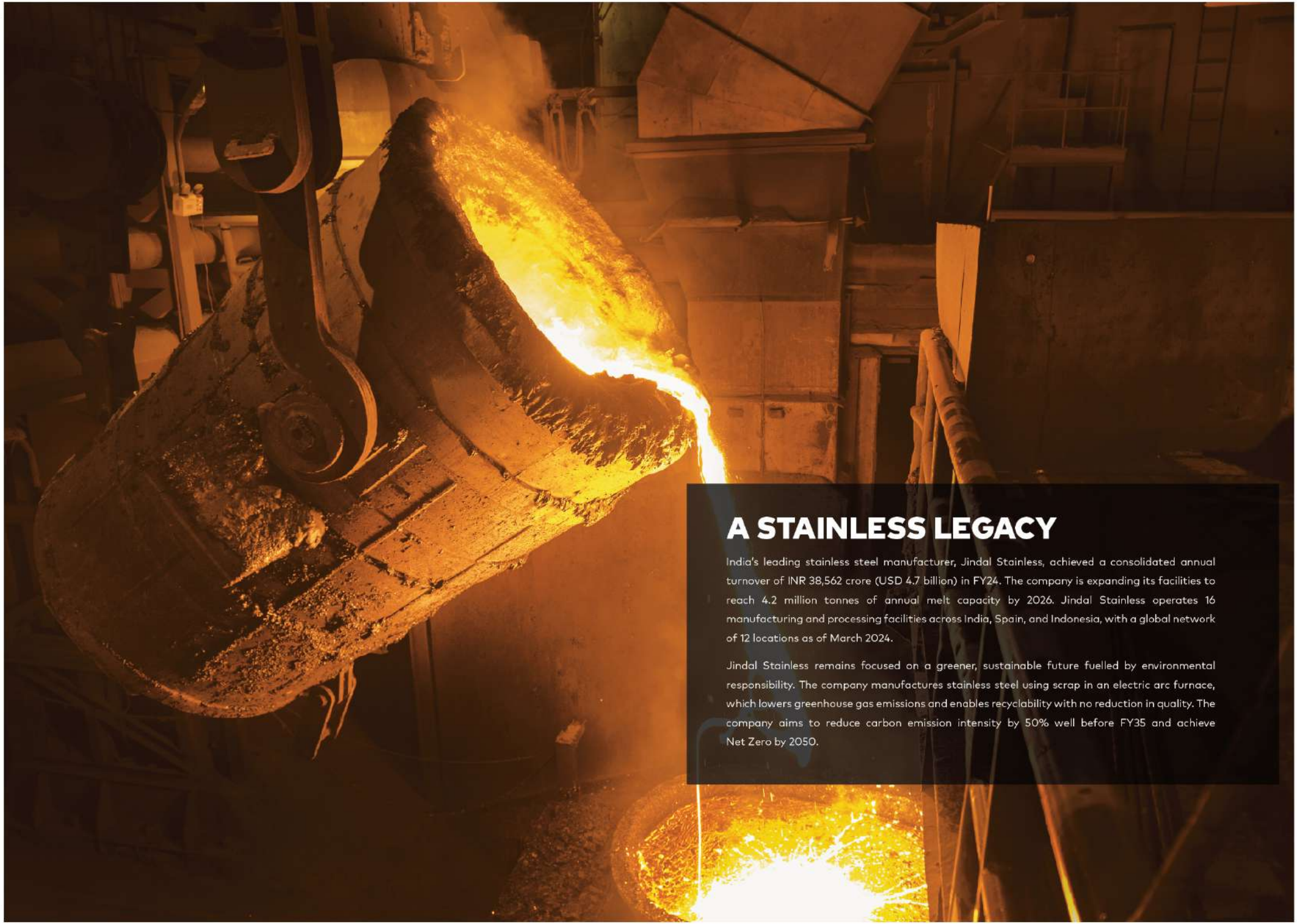
# SCALING INDIA'S COMMERCIAL MOBILITY
## WITH STAINLESS LOGISTICS SOLUTIONS

- Lightweight
- Corrosion Resistance
- Lower Life Cycle Cost
- Lower Carbon Footprint



# A STAINLESS LEGACY

India's leading stainless steel manufacturer, Jindal Stainless, achieved a consolidated annual turnover of INR 38,562 crore (USD 4.7 billion) in FY24. The company is expanding its facilities to reach 4.2 million tonnes of annual melt capacity by 2026. Jindal Stainless operates 16 manufacturing and processing facilities across India, Spain, and Indonesia, with a global network of 12 locations as of March 2024.

Jindal Stainless remains focused on a greener, sustainable future fuelled by environmental responsibility. The company manufactures stainless steel using scrap in an electric arc furnace, which lowers greenhouse gas emissions and enables recyclability with no reduction in quality. The company aims to reduce carbon emission intensity by 50% well before FY35 and achieve Net Zero by 2050.

# BUILT TO LAST

## STAINLESS STEEL FOR LOAD BODIES

### INTRODUCTION

The usage of stainless steel JT grade (N7 as per BIS 6911 specification) in the Trucks, Containers, and Trailer industry is a big breakthrough to increase payload along with durability. Its sterling features provide safety, aesthetics, weight reduction, fuel efficiency, and sustainability. Today stainless steel is increasingly being used in the construction of complete body, and structural parts as well as in the flooring of Heavy-duty Trucks, Containers, Tippers, and Trailers.

It is an established fact that the usage of stainless steel in load bodies guarantees better corrosion resistance and reduction in overall weight, offering substantial savings on fuel consumption or an increased revenue due to additional payload carrying capacity. From the environmental aspect, stainless steel being fully recyclable offers a 'green solution' and hence is the most preferred material for sustainable development for the future.

Owing to these amazing properties, JT has become the most preferred material of construction for the Truck & Trailer Industry.

# BEYOND COMPARISON

## STAINLESS STEEL FOR SAFETY & TRUST

WHY STAINLESS STEEL IS THE BEST CHOICE FOR LOAD BODIES

- EXCELLENT CORROSION RESISTANCE
- LOW MAINTENANCE COST
- EASE OF CLEANING
- SUPERIOR AESTHETICS


- HIGH STRENGTH TO WEIGHT RATIO
- LOW TARE WEIGHT
- HIGH PAYLOAD
- FUEL EFFICIENCY

- FIRE RESISTANT
- EXCELLENT CRASH RESISTANCE

- FASTER PAYBACKS
- LONGER LIFE
- HIGH PRODUCTIVITY

# BEYOND EFFICIENCY

## DRIVE AHEAD WITH 20% - 30% LIGHTER & 3X STRONGER STAINLESS STEEL LOAD BODIES




Lightweight | Corrosion Resistant | Maintenance Free Life | Lower Life Cycle Cost | Lower Carbon Footprint

| PARAMETERS | JT STAINLESS STEEL |
|---|---|
| WEIGHT | Reduces weight by 20-30% |
| PAYLOAD | Increases by 800 to 1200 Kg |
| COST SAVINGS | Savings of INR 20-30 Lakhs |
| ADDITIONAL REVENUE (10 years) | 20-24 Lakhs |

In India, stainless steel is gaining traction with all the major commercial vehicle manufacturers.

| COMPONENTS | SS GRADE |
|---|---|
| UNDERFRAME | JT Tubes and Bend Sections |
| SIDEWALLS & ROOF | JT Corrugated Sheets and Tubes |
| DOORS | JT Corrugated Sheets and Tubes |
| FLOOR | JT Chequered Sheets |

# TYPICAL LIFE CYCLE COST SAVINGS FOR 32 FEET SS (JT) CONTAINERS

## AS PER FEEDBACK FROM LOGISTICS PROVIDERS, TYPICAL FREIGHT COST IS ₹ 2/MT/KM

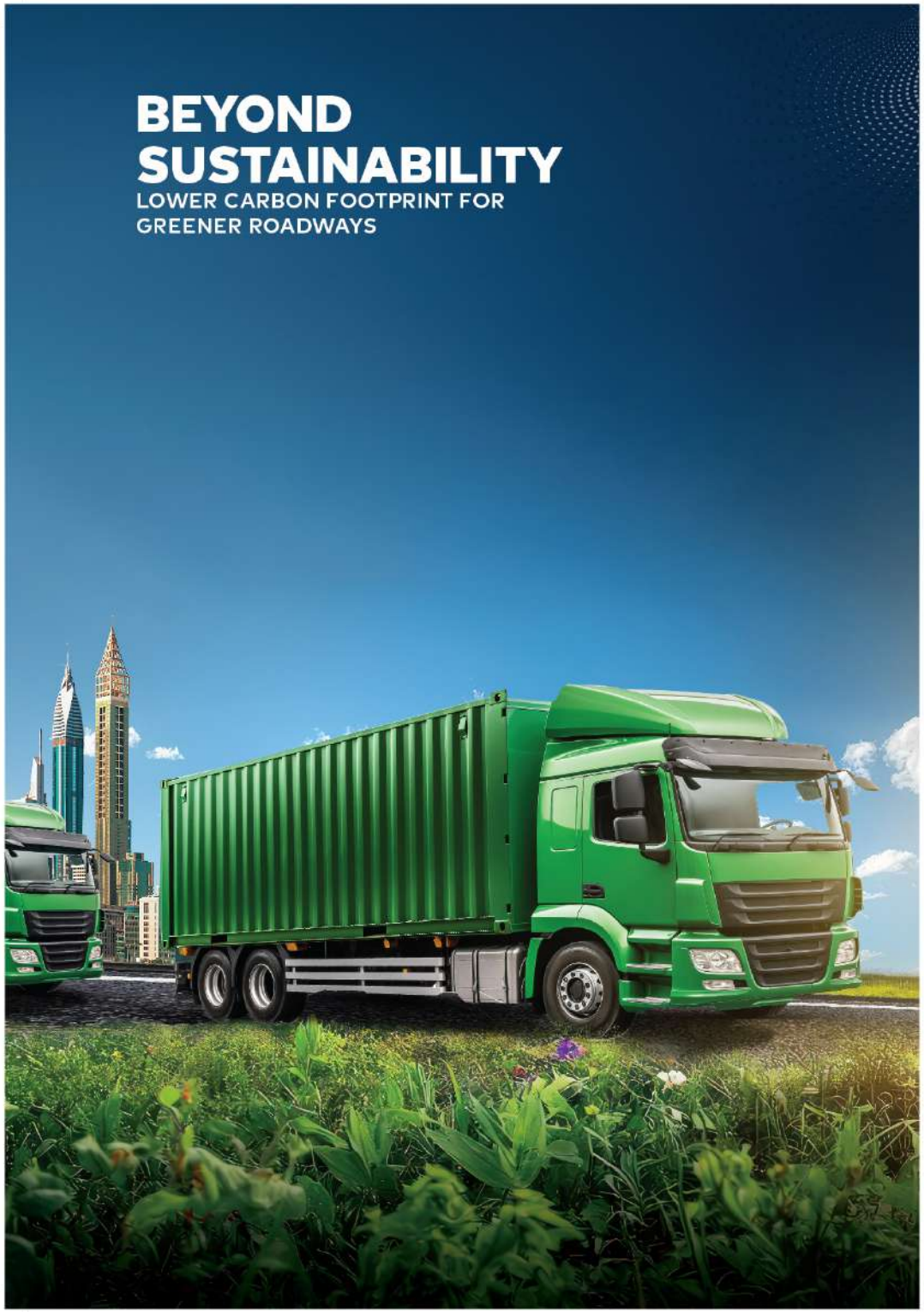
| | |
|---|---|
| For 921 kg wt reduction additional revenue per Km | ₹ 1.8 Km |
| Distance traveled Approximate | 400 Km/Day |
| Total Savings per day | ₹ 730 /Day |
| Total Savings per month (25 Days) | ₹ 18,240 /Month |
| Savings per annum | ₹ 2,18,880.00 /Year |
| Increased procurement cost with SS JT | ₹ 1,66,325 per vehicle |
| Payback period | 9-10 Months |
| | ₹ 19,69,920.00 — Additional revenue for 10 years*** |
| | ₹ 52 Per Kg — JT Material Scrap Rate (September 2024) |
| | 2,079 Kg — Total Finish Weight |
| | ₹ 1,08,108 — Total Scrap Credit |
| | ₹ 3,00,000/ 10 years — Savings on maintenance cost |
| | ₹ 23,78,028.00 — Net Cost benefits after 10 Years*** |

- Significantly higher revenue
- Lower payback period

## THE JSL ADVANTAGE

While Stainless Steel gives you a material advantage, Stainless Steel from JSL, the largest manufacturer of Stainless Steel in India and a global player, gives you a distinct edge.

- Indigenous
- Full Quality Control - Completely Made in-House
- Complete Stainless Steel Solutions - Sheet, Plates, Chequered Sheets, Pipes & Tubes
- Support in Fabrication & Technical Training
- Easy Availability and Faster Deliveries




# MATERIAL CHARACTERISTICS

## CHEMICAL COMPOSITION

| Grade | % C (max) | % Mn (max) | % P (max) | % S (max) | % Si (max) | % Cr | % Ni | % Mo | N (ppm) | %Others Cu: |
|---|---|---|---|---|---|---|---|---|---|---|
| JT | 0.14 | 9.0 – 11.5 | 0.10 | 0.03 | 1.00 | 13.50-16.00 | 0.20-0.95 | - | 1000 - 2500 | 0.4 – 0.8 |

## MECHANICAL PROPERTIES OF SHEETS

| Property (Sheets) | JT | Mild Steel CRCA | Aluminium Annealed | Aluminium ½ hard |
|---|---|---|---|---|
| Yield Strength (MPa, min) | 400 | 205 | 49 | 137 |
| Ultimate Tensile Strength (MPa, min) | 700 | 260 | 108 | 157 |
| % Elongation (min) | 40 | 16 | 43 | 12 |
| Density (gm/cc) | 7.8 | 7.8 | 2.7 | 2.7 |
| Hardness (HRB, max) | 100 | 70 | Soft | Moderate |

**Note:**

- When formed into tubes, stainless steel, due to its superior hardening property, exhibits a very high strength, coupled with excellent elongation.
- Typical mechanical properties of stainless steel tubes vis-à-vis MS tubes are tabulated as below:

## MECHANICAL PROPERTIES OF TUBES

| Property (Tubes) | JT | Mild Steel |
|---|---|---|
| Yield Strength (Mpa, min) | 700 | 210 / 240 / 310 |
| Ultimate Tensile Strength (Mpa, min) | 900 | |
| %Elongation (min) | 30 | 12 / 10 / 8 |

## SIZE RANGE COILS

| Products | Max width (mm) | Thickness (mm) | |
|---|---|---|---|
| | | Min | Max |
| CRAP Coil | 1000 | 0.50 | 3.15 |
| | 1250 | 0.50 | 3.15 |

**Note:**

- We can also supply in sheet form in the standard size of 1250 X 2500 mm. However, we can also supply customized widths and lengths, if required.
- We can also supply in width of 1500 mm, for specific thicknesses and grades.

# SHEETS, TUBES AND OTHER RANGE OF PRODUCTS

## WEIGHT CHART - SQUARE PIPES

| Dimension | | Wall thickness (mm) Welded tubes according to ASTM A 554-DIN 2395-NFA 49647 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A mm | B mm | 1 | 1.2 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 |
| 12 | 12 | 0.358 | | | | | | | | |
| 15 | 15 | 0.453 | 0.538 | 0.661 | | | | | | |
| 16 | 16 | 0.485 | 0.576 | 0.709 | | | | | | |
| 19 | 19 | 0.567 | 0.675 | 0.832 | 1.090 | | | | | |
| 20 | 20 | 0.613 | 0.729 | 0.901 | 1.176 | | | | | |
| 22 | 22 | 0.677 | 0.806 | 0.996 | 1.303 | | | | | |
| 25 | 25 | 0.772 | 0.921 | 1.140 | 1.495 | 1.837 | 2.167 | | | |
| 30 | 30 | 0.932 | 1.112 | 1.379 | 1.814 | 2.236 | 2.645 | | | |
| 32 | 32 | 0.960 | 1.150 | 1.420 | 1.870 | 2.310 | 2.740 | | | |
| 35 | 35 | 1.091 | 1.304 | 1.618 | 2.133 | 2.635 | 3.124 | | | |
| 40 | 40 | 1.251 | 1.495 | 1.858 | 2.452 | 3.033 | 3.602 | 4.703 | | |
| 45 | 45 | 1.410 | 1.686 | 2.097 | 2.771 | 3.432 | 4.081 | | | |
| 50 | 50 | | 1.878 | 2.336 | 3.090 | 3.831 | 4.559 | 5.979 | 7.349 | |
| 60 | 60 | | 2.254 | 2.814 | 3.728 | 4.628 | 5.516 | 7.255 | 8.943 | |
| 70 | 70 | | | 3.293 | 4.366 | 5.426 | 6.473 | 8.531 | 10.538 | |
| 80 | 80 | | | 3.771 | 5.004 | 6.223 | 7.430 | 9.807 | 12.133 | 14.410 |
| 100 | 100 | | | 4.728 | 6.279 | 7.818 | 9.344 | 12.359 | 15.323 | 18.237 |
| 120 | 120 | | | | 7.555 | 9.413 | 11.258 | 14.910 | 18.513 | 22.065 |
| 140 | 140 | | | | 8.831 | 11.008 | 13.172 | 17.462 | 21.703 | 25.893 |
| 150 | 150 | | | | 9.469 | 11.805 | 14.129 | 18.738 | 23.298 | 27.807 |
| 200 | 200 | | | | 12.659 | 15.793 | 18.913 | 25.118 | 31.272 | 37.376 |

**UNIT WT. = KG/METRE**

## WEIGHT CHART - RECTANGULAR PIPES

| Dimension | | Wall thickness (mm) Welded tubes according to ASTM A 554-DIN 2395-NFA 49647 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| A mm | B mm | 1 | 1.2 | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 |
| 15 | 10 | 0.370 | 0.440 | 0.540 | | | | | | |
| 20 | 10 | 0.453 | 0.538 | 0.661 | | | | | | |
| 20 | 15 | 0.533 | 0.634 | 0.781 | 1.016 | | | | | |
| 25 | 10 | 0.533 | 0.634 | 0.781 | | | | | | |
| 25 | 10 | 0.613 | 0.729 | 0.901 | 1.176 | | | | | |
| 25 | 20 | 0.693 | 0.825 | 1.020 | 1.335 | | | | | |
| 26 | 13 | 0.613 | 0.729 | 0.901 | 1.176 | | | | | |
| 30 | 10 | 0.613 | 0.729 | 0.901 | 1.176 | | | | | |
| 30 | 15 | 0.693 | 0.825 | 1.020 | 1.335 | | | | | |
| 30 | 20 | 0.772 | 0.921 | 1.140 | 1.495 | 1.837 | 2.167 | | | |
| 30 | 25 | 0.840 | 1.000 | 1.240 | 1.630 | | | | | |
| 35 | 15 | 0.760 | 0.910 | 1.130 | 1.480 | | | | | |
| 35 | 20 | 0.852 | 1.017 | 1.259 | 1.654 | 2.036 | 2.406 | | | |
| 40 | 10 | 0.760 | 0.910 | 1.130 | 1.480 | | | | | |
| 40 | 15 | 0.852 | 1.017 | 1.259 | 1.654 | 2.036 | 2.406 | | | |
| 40 | 20 | 0.932 | 1.112 | 1.379 | 1.814 | 2.236 | 2.645 | | | |
| 40 | 27 | 1.044 | 1.246 | 1.547 | 2.037 | 2.515 | 2.980 | | | |
| 40 | 30 | 1.091 | 1.304 | 1.618 | 2.133 | 2.635 | 3.124 | | | |
| 45 | 15 | 0.910 | 1.090 | 1.350 | 1.780 | | | | | |
| 45 | 20 | 0.990 | 1.180 | 1.460 | 1.920 | | | | | |
| 50 | 10 | 0.910 | 1.090 | 1.350 | 1.780 | | | | | |
| 50 | 20 | 1.091 | 1.304 | 1.618 | 2.133 | 2.635 | 3.124 | | | |
| 50 | 25 | 1.171 | 1.399 | 1.738 | 2.292 | 2.834 | 3.363 | | | |
| 50 | 30 | 1.251 | 1.495 | 1.858 | 2.452 | 3.033 | 3.602 | | | |
| 50 | 40 | 1.410 | 1.686 | 2.097 | 2.771 | 3.432 | 4.081 | | | |
| 60 | 20 | 1.251 | 1.495 | 1.858 | 2.452 | 3.033 | 3.602 | | | |
| 60 | 30 | 1.410 | 1.686 | 2.097 | 2.771 | 3.432 | 4.081 | | | |
| 60 | 40 | | 1.878 | 2.336 | 3.090 | 3.831 | 4.559 | | | |
| 70 | 20 | | 1.650 | 2.050 | 2.710 | 3.360 | 4.000 | | | |
| 70 | 30 | | | 2.290 | 3.030 | 3.760 | 4.480 | | | |
| 70 | 40 | | | 2.575 | 3.409 | 4.229 | 5.038 | | | |
| 75 | 25 | | 1.878 | 2.336 | 3.090 | 3.831 | 4.559 | | | |
| 80 | 20 | | | 2.290 | 3.030 | 3.760 | 4.480 | | | |
| 80 | 30 | | | 2.530 | 3.350 | 4.160 | 4.960 | | | |
| 80 | 40 | | 2.254 | 2.814 | 3.728 | 4.628 | 5.516 | 7.255 | 8.943 | 10.582 |
| 80 | 50 | | | 3.010 | 4.000 | 4.960 | 5.920 | 7.790 | 9.620 | 11.390 |
| 80 | 60 | | | 3.293 | 4.366 | 5.426 | 6.473 | 8.531 | 10.538 | 12.496 |
| 100 | 20 | | | 2.760 | 3.650 | 4.540 | 5.410 | | | |
| 100 | 30 | | | 3.010 | 4.000 | 4.960 | 5.920 | | | |
| 100 | 40 | | | 3.293 | 4.366 | 5.426 | 6.473 | 8.531 | 10.538 | 12.496 |
| 100 | 50 | | | 3.532 | 4.685 | 5.824 | 6.952 | 9.169 | 11.336 | 13.453 |
| 100 | 60 | | | 3.771 | 5.004 | 6.223 | 7.430 | 9.807 | 12.133 | 14.410 |
| 100 | 80 | | | 4.250 | 5.641 | 7.021 | 8.387 | 11.083 | 13.728 | 16.324 |
| 120 | 40 | | | 3.771 | 5.004 | 6.223 | 7.430 | 9.807 | 12.133 | 14.410 |
| 120 | 60 | | | 4.250 | 5.641 | 7.021 | 8.387 | 11.083 | 13.728 | 16.324 |
| 120 | 80 | | | 4.728 | 6.279 | 7.818 | 9.344 | 12.359 | 15.323 | 18.237 |
| 140 | 80 | | | | | | 10.301 | 13.635 | 16.918 | 20.151 |
| 150 | 50 | | | | | | 9.344 | 12.359 | 15.323 | 18.237 |
| 150 | 100 | | | | | | 11.736 | 15.548 | 19.310 | 23.022 |
| 160 | 80 | | | | | | 11.258 | 14.910 | 18.513 | 22.065 |
| 200 | 100 | | | | | | 14.129 | 18.738 | 23.298 | 27.807 |

## WEIGHT CHART - ROUND PIPES

| Outside Diameter (mm) | | | | | | | | | | Weight (kg/metre) | | | | | | Wall Thickness (mm) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.40 | 0.45 | 0.50 | 0.60 | 0.70 | 0.75 | 0.80 | 0.90 | 1 | 1.2 | 1.5 | 1.6 | 2 | 2.5 | 2.6 | 3 | 3.2 | 3.6 | 4 |
| 6.00 | 0.056 | 0.063 | 0.069 | 0.081 | | | | | 0.125 | | | | | | | | | | |
| 7.20 | 0.068 | 0.076 | 0.084 | 0.100 | | | | | | | | | | | | | | | |
| 7.50 | 0.072 | 0.080 | 0.088 | 0.104 | | | | | | | | | | | | | | | |
| 8.00 | 0.077 | 0.085 | 0.094 | 0.112 | 0.128 | 0.137 | 0.145 | 0.161 | 0.175 | | | | | | | | | | |
| 9.50 | 0.091 | 0.102 | 0.113 | 0.134 | 0.155 | 0.165 | 0.175 | | | | | | | | | | | | |
| 10.00 | 0.097 | 0.108 | 0.119 | 0.142 | 0.164 | 0.175 | 0.185 | 0.206 | 0.225 | | | | | | | | | | |
| 12.00 | 0.117 | | 0.145 | 0.172 | 0.199 | 0.212 | 0.225 | 0.251 | 0.275 | 0.325 | 0.394 | | | | | | | | |
| 12.70 | 0.124 | | 0.153 | 0.182 | 0.211 | 0.225 | | | | | | | | | | | | | |
| 13.30 | 0.130 | | 0.161 | 0.192 | 0.222 | 0.237 | 0.251 | 0.280 | | | | | | | | | | | |
| 13.50 | 0.132 | | 0.163 | 0.195 | 0.225 | 0.240 | 0.255 | 0.285 | | | | | | | | | | | |
| 14.00 | 0.137 | | 0.170 | 0.202 | 0.234 | 0.250 | 0.265 | 0.296 | 0.326 | 0.385 | 0.470 | | | | | | | | |
| 14.80 | 0.145 | | 0.180 | 0.214 | 0.248 | 0.265 | | | | | | | | | | | | | |
| 15.00 | 0.147 | | 0.182 | 0.217 | 0.252 | 0.269 | 0.286 | 0.319 | 0.351 | 0.415 | 0.507 | | | | | | | | |
| 15.70 | 0.154 | | 0.191 | 0.228 | 0.264 | 0.282 | 0.300 | 0.335 | | | | | | | | | | | |
| 15.88 | 0.155 | | 0.193 | 0.230 | 0.266 | 0.284 | 0.302 | 0.338 | | | | | | | | | | | |
| 16.00 | 0.157 | | 0.195 | 0.232 | 0.269 | 0.287 | 0.306 | 0.342 | 0.376 | 0.445 | 0.545 | 0.577 | 0.701 | | | | | | |
| 17.00 | 0.167 | | 0.207 | 0.247 | 0.287 | 0.306 | 0.326 | 0.364 | | | | | | | | | | | |
| 17.20 | 0.168 | | 0.209 | 0.249 | 0.289 | 0.309 | 0.367 | 0.406 | 0.481 | 0.590 | 0.625 | 0.761 | | | | | | | |
| 18.00 | 0.177 | | 0.220 | 0.262 | 0.304 | 0.325 | 0.345 | 0.387 | 0.426 | 0.505 | 0.620 | 0.657 | 0.801 | 0.970 | | | | | |
| 19.00 | 0.187 | | 0.232 | 0.277 | 0.322 | 0.344 | 0.366 | 0.409 | | | | | | | | | | | |
| 19.05 | 0.187 | | 0.232 | 0.277 | 0.322 | 0.344 | 0.366 | 0.409 | 0.452 | 0.536 | 0.659 | 0.699 | 0.854 | 1.036 | | | | | |
| 20.00 | 0.197 | | 0.245 | 0.293 | 0.340 | 0.363 | 0.386 | 0.432 | 0.476 | 0.565 | 0.695 | 0.737 | 0.901 | 1.096 | 1.133 | 1.277 | | | |
| 21.00 | 0.207 | | 0.258 | 0.308 | 0.357 | 0.382 | 0.406 | 0.455 | | | | | | | | | | | |
| 21.30 | 0.210 | | 0.261 | 0.312 | 0.362 | 0.387 | 0.412 | 0.461 | 0.508 | 0.604 | 0.714 | 0.789 | 0.967 | 1.177 | 1.217 | 1.375 | | | |
| 22.00 | | | 0.270 | 0.323 | 0.375 | 0.401 | 0.426 | 0.477 | 0.526 | 0.625 | 0.770 | 0.817 | 1.002 | | | | | | |
| 22.23 | | | 0.272 | 0.325 | 0.377 | 0.403 | 0.429 | 0.481 | 0.532 | 0.632 | 0.779 | 0.827 | 1.013 | | | | | | |
| 23.00 | | | 0.283 | 0.338 | 0.392 | 0.419 | 0.446 | 0.500 | | | | | | | | | | | |
| 24.00 | | | 0.295 | 0.353 | 0.410 | 0.438 | 0.466 | 0.523 | | | | | | | | | | | |
| 25.00 | | | 0.308 | 0.368 | 0.428 | 0.457 | 0.487 | 0.545 | 0.601 | 0.715 | 0.883 | 0.937 | 1.125 | 1.409 | 1.458 | 1.653 | | | |
| 25.40 | | | 0.317 | 0.378 | 0.440 | 0.470 | 0.501 | 0.561 | 0.611 | 0.727 | 0.898 | 0.954 | 1.172 | 1.434 | 1.484 | 1.683 | | | |
| 26.00 | | | 0.320 | 0.383 | 0.445 | 0.476 | 0.507 | 0.568 | | | | | | | | | | | |
| 26.90 | | | 0.333 | 0.398 | 0.463 | 0.495 | 0.527 | 0.590 | 0.649 | 0.772 | 0.954 | 1.014 | 1.247 | 1527 | 1.582 | 1.795 | | | |
| 27.00 | | | 0.333 | 0.398 | 0.463 | 0.495 | 0.527 | 0.590 | | | | | | | | | | | |
| 28.00 | | | 0.346 | 0.413 | 0.480 | 0.514 | 0.547 | 0.613 | 0.676 | 0.805 | 0.995 | 1.058 | 1.302 | | | | | | |
| 28.58 | | | 0.352 | 0.420 | 0.489 | 0.523 | 0.556 | 0.624 | 0.691 | 0.823 | 1.017 | 1.081 | 1.331 | | | | | | |
| 30.00 | | | 0.371 | 0.443 | 0.515 | 0.551 | 0.587 | 0.658 | | | | | | | | | | | |
| 31.75 | | | | | | | | | 0.770 | 0.918 | 1.136 | 1.208 | 1.490 | 1.831 | 1.898 | 2.160 | | | |
| 31.80 | | | 0.396 | 0.474 | 0.551 | 0.589 | 0.627 | 0.703 | | | | | | | | | | | |
| 32.00 | | | 0.396 | 0.474 | 0.551 | 0.589 | 0.627 | 0.703 | 0.776 | 0.925 | 1.146 | 1.218 | 1.502 | 1.847 | 1.914 | 2.178 | | | |
| 33.00 | | | | | | | | | | 0.956 | 1.183 | 1.258 | 1.552 | | | | | | |
| 33.40 | | | | | | | | | 0.811 | 0.968 | 1.198 | 1.274 | 1.573 | 1.934 | 2.005 | 2.284 | | | |
| 33.70 | | | | | | | | | 0.819 | 0.977 | 1.209 | 1.286 | 1.588 | 1.953 | 2.025 | 2.306 | 2.444 | | |
| 34.00 | | | | | | | | | 0.826 | 0.966 | 1.221 | 1.298 | 1.603 | 1.972 | | | | | |
| 34.93 | | | | | | | | | 0.850 | 1.014 | 1.256 | 1.335 | 1.649 | 2.030 | | | | | |
| 35.00 | | | | | | | | | 0.851 | 1.016 | 1.258 | 1.338 | 1.653 | 2.035 | | | | | |
| 38.10 | | | | | | | | | 0.929 | 1.109 | 1.375 | 1.462 | 1.808 | 2.229 | 2.311 | 2.637 | | | |
| 40.00 | | | | | | | | | 0.977 | 1.166 | 1.446 | 1.538 | 1.903 | 2.348 | 2.435 | 2.779 | | | |
| 41.30 | | | | | | | | | 0.999 | 1.193 | 1.481 | | 1.494 | 2.406 | | 2.850 | | | |
| 42.00 | | | | | | | | | | 1.226 | 1.521 | 1.619 | 2.003 | | | | | | |
| 42.40 | | | | | | | | | 1.037 | 1.238 | 1.536 | 1.635 | 2.023 | 2.498 | 2.591 | 2.960 | 3.141 | 3.498 | 3.446 |

## WEIGHT CHART - ROUND PIPES

| Outside Diameter (mm) | | | | | | | | | | | Weight (kg/metre) | | | | | | Wall Thickness (mm) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0.40 | 0.45 | 0.50 | 0.60 | 0.70 | 0.75 | 0.80 | 0.90 | 1 | 1.2 | 1.5 | 1.6 | 2 | 2.5 | 2.6 | 3 | 3.2 | 3.6 | 4 |
| 42.70 | | | | | | | | | 1.044 | 1.247 | 1.547 | 1.647 | 2.038 | 2.517 | 2.611 | 2.982 | 3.165 | 3.525 | 3.876 |
| 43.00 | | | | | | | | | 1.052 | 1.256 | 1.559 | 1.659 | 2.053 | 2.535 | | | | | |
| 44.45 | | | | | | | | | 1.088 | 1.300 | 1.613 | 1.717 | 2.126 | 2.626 | 2.725 | 3.114 | | | |
| 44.50 | | | | | | | | | 1.089 | 1.301 | 1.615 | 1.719 | 2.128 | 2.629 | 2.728 | 3.117 | | | |
| 45.00 | | | | | | | | | 1.102 | 1.316 | 1.634 | 1.739 | 2.153 | 2.661 | | | | | |
| 48.30 | | | | | | | | | 1.184 | 1.415 | 1.758 | 1.871 | 2.319 | 2.867 | 2.975 | 3.403 | 3.614 | 4.029 | 4.437 |
| 48.60 | | | | | | | | | 1.192 | 1.424 | 1.769 | 1.883 | 2.334 | 2.886 | 2.995 | 3.425 | | | |
| 50.00 | | | | | | | | | 1.227 | 1.466 | 1.822 | 1.939 | 2.404 | 2.974 | 3.086 | 3.531 | 3.750 | 4.183 | 4.607 |
| 50.80 | | | | | | | | | 1.247 | 1.490 | 1.852 | 1.971 | 2.444 | 3.024 | 3.138 | 3.591 | 3.814 | 4.255 | 4.687 |
| 51.00 | | | | | | | | | 1.252 | 1.496 | 1.859 | 1.979 | 2.454 | 3.036 | 3.151 | 3.606 | 3.830 | 4.273 | 4.708 |
| 52.00 | | | | | | | | | 1.277 | 1.526 | 1.897 | 2.019 | 2.504 | 3.099 | | | | | |
| 53.00 | | | | | | | | | 1.302 | 1.556 | 1.934 | 2.059 | 2.554 | 3.161 | 3.281 | 3.756 | 3.990 | | |
| 54.00 | | | | | | | | | 1.327 | 1.587 | 1.972 | 2.099 | 2.604 | 3.224 | 3.346 | 3.831 | 4.071 | | |
| 55.50 | | | | | | | | | 1.365 | 1.632 | 2.028 | 2.159 | 2.679 | 3.318 | 3.444 | 3.944 | | | |
| 57.00 | | | | | | | | | 1.402 | 1.677 | 2.085 | 2.220 | 2.754 | 3.412 | 3.542 | 4.056 | 4.311 | 4.814 | 3.508 |
| 60.30 | | | | | | | | | 1.485 | 1.776 | 2.209 | 2.352 | 2.920 | 3.618 | 3.757 | 4.304 | 4.575 | 5.111 | 5.639 |
| 63.50 | | | | | | | | | 1.565 | 1.872 | 2.329 | 2.480 | 3.080 | 3.819 | 3.965 | 4.545 | 4.832 | 5.400 | 5.960 |
| 70.00 | | | | | | | | | 1.728 | 2.067 | 2.573 | 2.740 | 3.405 | 4.226 | 4.388 | 5.033 | 5.353 | 5.986 | 6.611 |
| 73.50 | | | | | | | | | 1.815 | 2.172 | 2.704 | 2.881 | 3.581 | 4.445 | 4.616 | 5.296 | 5.633 | 6.301 | 6.961 |
| 76.10 | | | | | | | | | 1.881 | 2.251 | 2.802 | 2.985 | 3.711 | 4.607 | 4.785 | 5.491 | 5.841 | 6.535 | 7.222 |
| 76.20 | | | | | | | | | 1.883 | 2.254 | 2.806 | 2.989 | 3.716 | 4.614 | 4.792 | 5.499 | 5.849 | 6.544 | 7.232 |
| 80.00 | | | | | | | | | | 2.368 | 2.948 | 3.141 | 3.906 | 4.852 | 5.039 | 5.784 | 6.154 | 6.887 | 7.612 |
| 83.00 | | | | | | | | | | 2.458 | 3.061 | 3.261 | 4.056 | 5.039 | 5.234 | 6.010 | 6.394 | 7.157 | 7.913 |
| 84.00 | | | | | | | | | | 2.488 | 3.099 | 3.301 | 4.107 | 5.102 | 5.299 | 6.085 | 6.474 | 7.248 | 8.013 |
| 85.00 | | | | | | | | | | 2.518 | 3.136 | 3.341 | 4.157 | 5.165 | 5.365 | 6.160 | 6.554 | 7.338 | 8.113 |
| 88.90 | | | | | | | | | | 2.635 | 3.283 | 3.498 | 4.352 | 5.409 | 5.618 | 6.453 | 6.867 | 7.689 | 8.504 |
| 95.00 | | | | | | | | | | | 3.512 | 3.742 | 4.657 | 5.791 | 6.016 | 6.911 | 7.356 | 8.239 | 9.115 |
| 101.60 | | | | | | | | | | | 3.760 | 4.006 | 4.988 | 6.204 | 6.445 | 7.407 | 7.885 | 8.834 | 9.776 |
| 103.00 | | | | | | | | | | | 3.812 | 4.062 | 5.058 | 6.291 | 6.536 | 7.512 | 7.997 | 8.960 | 9.916 |
| 104.00 | | | | | | | | | | | 3.850 | 4.103 | 5.018 | 6.354 | 6.602 | 7.587 | 8.077 | 9.050 | 10.016 |
| 108.00 | | | | | | | | | | | 4.000 | 4.263 | 5.308 | 6.604 | 6.862 | 7.888 | 8.397 | 9.411 | 10.417 |
| 114.30 | | | | | | | | | | | 4.237 | 4.515 | 5.624 | 6.999 | 7.272 | 8.361 | 8.902 | 9.979 | 1.048 |
| 129.00 | | | | | | | | | | | 4.789 | 5.104 | 6.360 | 7.919 | 8.229 | 9.465 | 10.080 | 11.304 | 12.520 |
| 139.70 | | | | | | | | | | | 5.191 | 5.533 | 6.896 | 8.589 | 8.926 | 10.269 | 10.937 | 12.269 | 13.592 |
| 153.00 | | | | | | | | | | | 5.690 | 6.066 | 7.562 | 9.421 | 8.792 | 11.268 | 12.003 | 13.468 | 14.924 |
| 154.00 | | | | | | | | | | | | | 7.612 | 9.484 | 9.857 | 11.343 | 12.083 | 13.558 | 15.024 |
| 155.00 | | | | | | | | | | | | | | 9.546 | | | | | |
| 156.00 | | | | | | | | | | | | | 7.712 | 9.609 | 9.987 | 11.493 | 12.244 | 13.738 | 15.24 |
| 168.30 | | | | | | | | | | | | | 8.328 | 10.379 | 10.788 | 12.417 | 13.229 | 14.847 | 16.456 |
| 204.00 | | | | | | | | | | | | | 10.116 | 12.614 | 13.112 | 15.099 | 16.090 | 18.065 | 20.032 |
| 206.00 | | | | | | | | | | | | | 10.216 | 12.739 | 13.242 | 15.249 | 15.250 | 18.245 | 20.232 |
| 219.10 | | | | | | | | | | | | | 10.872 | 13.559 | 14.059 | 16.233 | 17.300 | 19.426 | 21.544 |
| 254.00 | | | | | | | | | | | | | 12.620 | 15.744 | 16.367 | 18.855 | 20.096 | 22.572 | 25.040 |
| 255.00 | | | | | | | | | | | | | 12.670 | 15.807 | 16.432 | 18.930 | 20.176 | 22.662 | 24.140 |
| 256.00 | | | | | | | | | | | | | 12.720 | 15.896 | 16.497 | 19.005 | 20.256 | 22.752 | 25.240 |

# TESTIMONIALS

Our association with Jindal Stainless began in 1989. Thanks to the higher strength and lower thickness of stainless steel, we receive immense payload benefits coupled with better durability, rust prevention and exceptional longevity.

**Mr. Pradeep Bansal**
Owner, CJ Darcl

Our partnership with Jindal Stainless began in 2017, driven by the need for lightweight solutions for door-to-door tipper garbage collectors. Their technical expertise delivered innovative materials that resolved weight concerns and exceeded expectations. After rigorous testing and successful pilot projects, Jindal Stainless has become a trusted partner, supporting our R&D efforts to craft cutting-edge, lightweight trailers that redefine efficiency and durability.

**Mr. Puneet Gupta**
COO, KAMAL COACH

# NOTES