

DTL Ancillaries Ltd



On Track with
QUALITY



DTL Ancillaries Ltd

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Founded in 1988, DTL Ancillaries is one of India's leading suppliers of Cold Roll Formed (CRF) and Fabricated Rolling Stock Components for Indian Railways and Metro systems.

With over 40 years of domain expertise, we are:

- 2nd largest supplier of CRF & fabricated components in India
- Specialists in Shell Kits – Sidewalls, Roofs, Underframes

- Experts in Stainless Steel & Mild Steel fabrication
- Leaders in complex CRF solutions for Metro Cars

We deliver Concept-to-Commission turnkey furnishing projects, ensuring every solution meets the highest standards of quality, safety, and precision.

OUR STRENGTH IN NUMBERS KEY HIGHLIGHTS



OUR PRODUCTS

Carbody:

- Underframe
- Sidewall
- Roof
- Endwall
- Nosecone Structure
- Entrance Doors
- Door Frames
- Water Tank
- COMPLETE SHELL Assy

CRF & Metro Interiors:

- Cantrail & Solebar
- Roof Corrugations
- Underframe Corrugations
- Trough Floor
- Saloon Seat & Brackets
- Floor Coving
- Cab Window
- Strap Hanger
- Air Ducts & Cable Ducts
- Alum HC Ceiling Panels



Furnishing:

- Modular Lavatories
- Ceiling Panels & Side Panels
- Sleeping Berths & Ladders
- Nosecone Mask
- Driver Cab & Desk
- Luggage Rack
- Saloon Sliding Door
- Alu HC Partition Frames
- CED, Painting & Powder Coating



Wagons:

- Open Wagons
- Covered Wagons
- Flat Wagons
- Hopper Wagons
- Container Wagons

Station Benches:

- 3-Seater
- 4-Seater

OUR CAPABILITIES

CRF ITEMS



Man / Experience

- We are supplying Cold Formed products for Railways since 2001 and diversified into Metro items from 2008 prominent among other orders are Hyundai-Rotem DMRC RS-9 300 cars, BEML's MRS1 506 cars and Bombardier RRTS & Agra-Kanpur totaling 411 cars project.
- Recently executed projects for RRTS / DEMU / MEMU / EMU / T18 coaches.
- Over 500 competent staff across skills.
- 30 Certified Welders EN 15085
- Average experience 10 years
- Average age 35 years



Machine / M&P

- Infrastructure to produce 22 meter long single piece carline, 2 meter width with laser tracker for control of profile and dimensions to 15 Micron to a meter accuracy.
- Also last but not least a 1 Ton each 10 MTR long centre sill BoxNHL Wagon IRSM 44 etc. necessitated developing a Jumbo Mill as Import substitute to 3.5 Million USD to name just a few.



Method / Home Grown CRF Technology

- Refined by German Know How being our speciality, including tooling; we have developed in-house tool design, simulation, validation skills; erected Two 32 stages CRF mills designed and made in-house.
- Over 150 plant equipment and machinery
- Dedicated unit-2 for Roll Forming Technology.

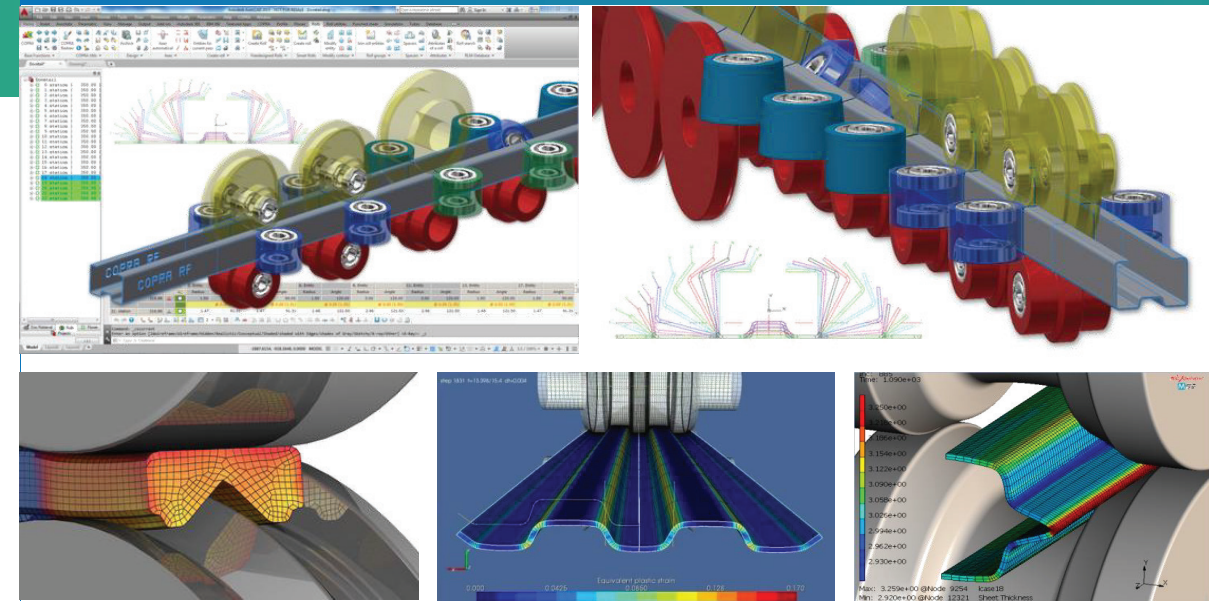


Material / Compliance

- We have 100% capability to meet and produce desired CRF items in Stainless steel as well as Corten steel.
- All CRF items for all sorts of rail coaches (ICF self-propelled, LHB, metro and RRTS) are produced.
- CRF items manufactured by us are Cantrail, Middle duct frames, Keystone plates, Cover door, Upper cover, Trough floor, Longitudinal beam, Rain gutter, Sidesills, Outside sill, Upper panel, Roof cantrail, Roof panels, Corrugated panel, Sidewall cantrail.

To sum up we have the expertise, parctical experience, manufacturing facilities and other resources to manufacture to the stringent specifications of rail cars and execute to the statisfaction of our discerning clients **Under one-roof** as we have in-house Custom Roll Forming Technology. Whatever is not covered by existing range can be added.

DESIGN CAPABILITY



SIEMENS



METAL FORMING CAPABILITIES

1 SHAPE & VOLUME EFFICIENCY

CRF: Ideal for uniform shapes, suitable for high-volume production due to continuous processing once setup to done.

PB: Offers versatility for bending various shapes, quick changes and customization, making it adaptable for different designs and smaller runs.

2 PRECISION & CONSISTENCY

CRF: Provides tight tolerances and consistent shapes along the entire length, ensuring uniformity.

PB: Offers good precision but might have slight variations, especially in complex designs.

3 MATERIAL RANGE & INITIAL COSTS

CRF: Works with metals and thin to medium thicknesses, with higher initial tooling costs that become cost-effective for extensive production.

PB: Accommodates various materials and thicknesses, with lower initial tooling costs, making it practical for smaller runs.

4 ADAPTABILITY & CUSTOMIZATION

CRF: Best for continuous processing of consistent shapes in high volumes.

PB: Allows for quick adjustments, customization, and handling of varying designs, suitable for prototypes and changing requirements.

5 PROJECT NATURE & LEAD TIME

CRF: Suited for projects requiring long, uniform shapes and willing to invest in initial tooling.

PB: Ideal for projects needing versatility, quick changes, and shorter lead times due to quicker tooling setup.

CAPABILITY COMPETENCY CAPACITY

CRF: SS & MS all Grades in LT-ST-HT | 36 Stations | 10mm Thickness | 1500mm Width | 1050 mPa UTS | COPRA Simulated | EN 10162 Compliant | 7500T/Annum

PB: 14 Meters Length | 600T Bending Force | Hydraulic Press Brake | 600mm Daylight | 500mm Throat Depth | 350mm Stroke | 350mm Table Width | 12mm Thick

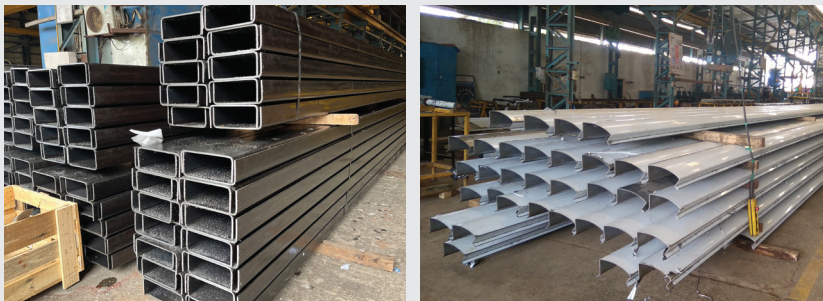
METAL PROCESSING CAPABILITIES

Solutions acquired at DTL:

- Sheet Metal Working
- Metal Forming
- Hydraulic/Mechanical Presses
- Die and Tooling Systems
- Roll Forming Machines
- CNC Machining Centers
- Laser Cutting and Welding
- Plasma Cutting
- Seam Welding
- Tube & Pipe Bending Machines
- Robotics and Automation
- Metrology & Inspection
- Lubrication & Coolant
- Safety Equipment

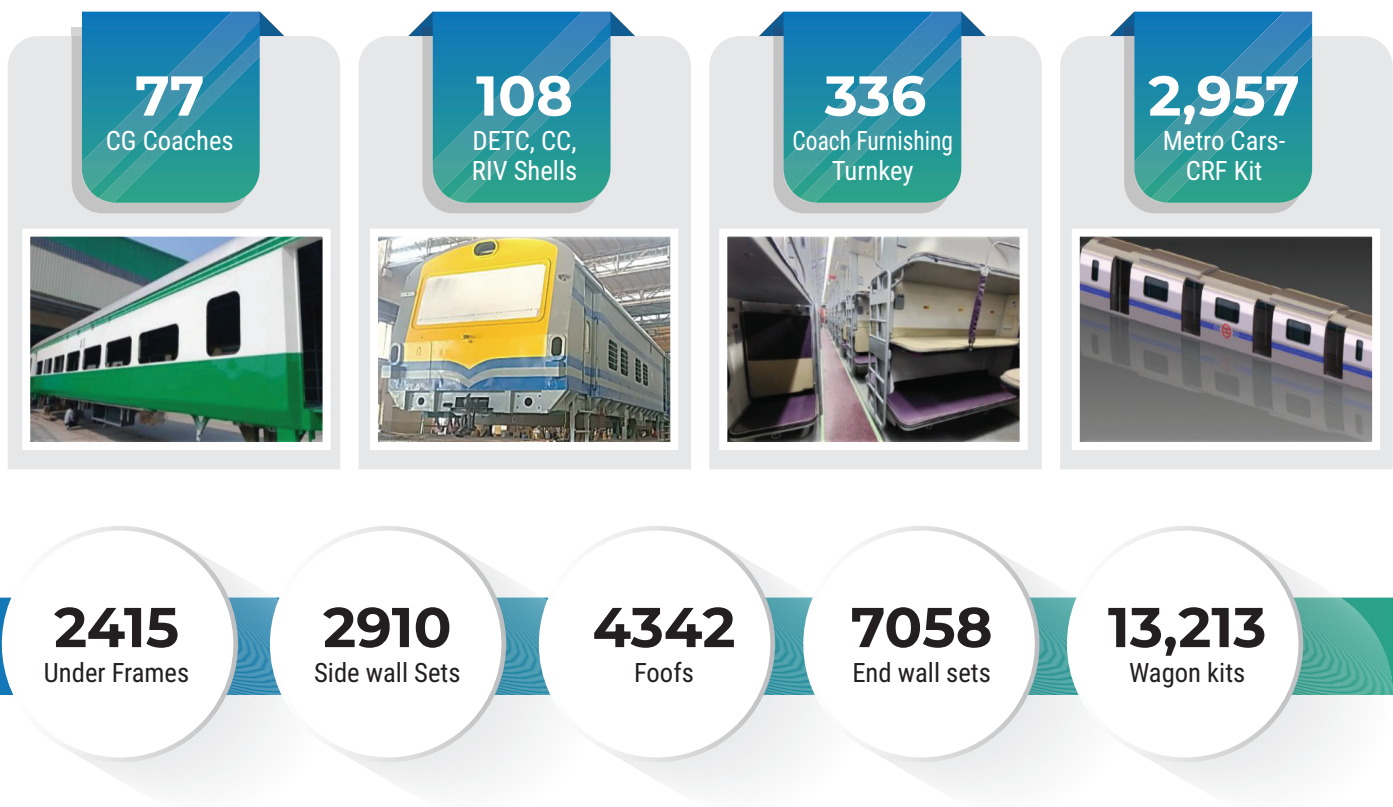
Secondary Process Capabilities:

- CED Coating
- Powder Coating
- Epoxy & PU Painting
- Sub-assembly & Assembly
- Offline Punching & Notching
- FRP Moulding
- Inventory Parts for J.I.T. Shipping



R&D DRIVE: Design, Research, Innovate, Validate, Execute

OUR DELIVERY CREDENTIAL



PRODUCT VARIANTS SUPPLIED TO INDIAN RAILWAYS

No.	Model	No.	Model	No.	Model	No.	Model
1	ACCW	17	EMU/C4/AC	33	LUGGAGE VAN	49	MEMU
2	ARTV	18	EMU/D/3PH/MMTS	34	LVP H	50	MEMU/DMC/3PH
3	DETC	19	EMU/D2/3PH/MMTS	35	LWACCN	51	MEMU/DMC2/3PH
4	DETC/US	20	EMU/DMC2/AC	36	LWACCN	52	MEMU/DMC3/3PH/BT
5	DMU	21	EMU/M/3PH/ER	37	LWCBAC	53	MEMU/TC/3PH
6	EMU	22	EMU/M/3PH/HL	38	LWFAC	54	MEMU/TC9/3PH/BT
7	EMU/AC/DMC	23	EMU/M2/3PH/ER	39	LWFAC/ASR	55	PARCEL VAN
8	EMU/AC/DMC2	24	EOG	40	LWFCWAC	56	POWER CAR
9	EMU/AC/NDMC	25	LACCN	41	LWFCZAC	57	SPART/DPC/ARTV5
10	EMU/AC/NDMC2	26	LACCNE	42	LWLRRM	58	SPART/DPC3/SV
11	EMU/C/3PH	27	LACCNW/ASR	43	LWS	59	SPART/TC
12	EMU/C/3PH/HC/ER	28	LGS	44	LWSCN	60	SPICAC
13	EMU/C1/AC	29	LSCN	45	LWSCNG	61	TRAIN18
14	EMU/C2/3PH/HC/ER	30	LSCZ	46	LWSCWAC	62	TRAINSET
15	EMU/C2/AC	31	LSDD	47	LWSCZ		
16	EMU/C3/AC	32	LSLRD	48	LWSCZAC		

CRF SUPPLIED FOR METRO

S. No.	Project	OEM	PO Number	No. of cars	Deliveries Started	Delivered upto	Items supplied
1	DMRC RS 3	BEML	4650002313	24	Sep-08	Mar-09	Cover Door, Upper Cover, Rain Gutter
2	DMRC RS 6	BEML	4660000595	122	Sep-11	Aug-12	Cover Door, Upper Cover, Rain Gutter
3	DMRC RS 6	BEML	4660000599	14	Aug-12	Sep-12	Cover Door, Upper Cover, Rain Gutter
4	DMRC RS 9	BEML	4660001172	92	Mar-14	May-14	Cover Door, Upper Cover, Rain Gutter
5	SS AC EMU	BEML	4660001199	72	Mar-14	May-14	Cover Door, Plate Cover, Rain Gutter
6	DMRC RS9	Hyundai Rotem	4660001392	12	Mar-14	Mar-14	Keystone Plate
7	DMRC RS 9	BEML	4660001265	20	Mar-14	Mar-14	Cover Door, Upper Cover, Rain Gutter
8	DMRC RS 9	BEML	4660001602	16	Jul-14	Aug-15	Keystone Plate
9	DMRC RS9	Hyundai Rotem	4660001172	72	Jul-14	Mar-15	Cover Door, Upper Cover, Rain Gutter
10	DMRC RS 9	BEML	4660001430	70	Feb-15	Jun-15	Cover Door, Plate Cover, Rain Gutter
11	DMRC RS 6 Extn RS8	BEML	4660001430	70	Jun-15	Mar-16	Cover Door, Upper Cover, Rain Gutter
12	DMRC RS 6 Extn RS8	BEML	4660001602	16	Sep-15	Sep-15	Keystone Plate
13	DMRC RS 10	Hyundai Rotem	5R0522RSL-01	300	Jan-16	Nov-17	Outside Sil, Keystone Plates, Upper Panel, Side Cantrail, Rain Gutter
14	DMRC RS13	BEML	4660001695	58	Mar-16	Mar-16	Cover Door, Upper Cover, Rain Gutter
15	DMRC RS13	BEML	4660001691	38	Apr-16	Jul-16	Keystone Plate
16	KMRCL Kolkata	BEML	4660001922	52	Jul-17	Jul-17	Sidewall Cantrail
17	KMRCL Kolkata	BEML	4660001924	52	Sep-17	Mar-18	Cover Door, Upper Cover, Rain Gutter
18	KMRCL Kolkata	BEML	4660001927	35	Sep-17	Feb-18	Sidesils, Roof Panels, Keystone Plates
19	Movia Maxx	Bombardier	221700302	6	Mar-18	Mar-18	Sidesill Inner
20	BMRCL 2RS-DM	BEML	4660002152	150	Mar-18	Dec-18	Roofside Panel
21	BMRCL 2RS-DM	BEML	4660002156	150	Mar-18	Dec-18	Door Cover, Rain Gutter, Sidesil (50 cars)
22	BMRCL 2RS-DM	BEML	4660002130	150	Mar-18	Apr-19	Cantrails, MiddleDuct Frames, Keystone Plates,
23	BMRCL 2RS-DM	BEML	4660002130	40	Apr-18	Feb-19	Panel Corrugated
24	Vienna Flexity Tram	Bombardier	5500028324	119	Apr-19	on-going	Roof Panels, Roof Corrugations
25	BMRCL 3RS-DM	BEML	4660002527	42	Aug-19	Sep-19	Sidesils,Keystone PlatesCantrail's,Rain Gutter,Door Cover,Roof Panels
26	BMRCL 3RS-DM	BEML	4660002580	16	Aug-19	Aug-19	Cantrail
27	BMRCL 3RS-DM	BEML	4660002581	16	Aug-19	Aug-19	Corrugated Roof
28	Mumbai Metro	BEML	4660002698	378	Jan-20	Mar-24	Sidesils,Keystone PlatesCantrail'sSide CantrailsRain GutterDoor Cover
29	Agra-Kanpur Metro	Bombardier	5500036601	201	Feb-21	Aug-24	Cantrail, Solebar, Roof Corrugations, Underframe corrugations
30	Delhi-Meerut RRTS	Bombardier	5500037538	120	May-21	Mar-24	Cantrail, Solebar, Corrugations, SW Skin sheets
31	Mumbai Metro	BEML	4660002712	126	Jan-26	Mar-27	Sidesils,Keystone PlatesCantrail'sSide CantrailsRain GutterDoor Cover
32	KMRCL Kolkata	BEML	9710000061	18	Jan-23	Mar-23	Sidesils,Keystone PlatesCantrail'sSide CantrailsRain GutterDoor Cover
33	Bhopal-Indore Metro	Alstom	5500040591	78	Mar-23	Dec-24	Cantrail, Solebar, Roof Corrugations, Underframe corrugations
34	Mumbai Line-3 & CMRL/RS17	Alstom	4600028991	96	Apr-23	on-going	Cantrail
35	Meerut Metro MRTS	Alstom	5500042465	30	Sep-23	Aug-24	Cantrail, Solebar, Roof & UF Corrugations, Skin sheets
36	VB Sleeper	BEML	9710003918	160	Dec-23	Mar-25	Carline-RoofSheet-RoofFlange
37	BMRCL 5RS-DM	BEML	4 POs	318	May-24	on-going	Sidesils,Keystone PlatesCantrail'sSide CantrailsRain GutterDoor Cover
38	Surat-Ahmd Metro	Titagarh/Taiki-Sha	2 POs	104	Sep-24	on-going	Roof Corrugations & Floor Corrugations

OUR INFRASTRUCTURE

With over 50,000+ SqM of state-of-the-art facilities and a DSIR-Gol certified R&D centre, DTL delivers precision engineering from design to production. Our expertise spans Cold Roll Forming, Laser Cutting & Welding, Deep Drawing, Hydraulic Pressing (14m Tandem Press Brake), CED Painting, Composite Panelling, Fabrication & Assembly. Equipped with advanced design and simulation tools (AutoCAD, NX, CATIA, SolidEdge, COPRA, HyperMesh, Fusion 360), we create customized First Article Prototypes that meet exact client specifications.



CERTIFICATIONS

Our facilities and products are backed by robust quality certifications, ensuring compliance with the highest industry standards.



OUR USP

- ICF-Approved Vendor with CRF capabilities for Sidewall & Roof fabrication since 2008
- Strategic Partnerships: MOU with SAPA-HYDRO for Aluminium profile development
- Strategic Location: Pune-based manufacturing facilities to optimize logistics & delivery
- Lean Manufacturing: Flexible, efficient production systems for developing wide range of components
- Manufacturing facilities spread over 10.5 acres area with robust production and testing facilities including Prototyping and R&D centre.
- Proven Track Record: 30+ years of trusted partnerships with ICF, MCF, BEML, Bombardier, Alstom, and more



A central image showing a firm handshake between two people in business suits. The image is overlaid with a blue and green tint. In the background, there is a faint city skyline. Overlaid on the left side are financial candlestick charts and a circular gauge. On the right side, there are more candlestick charts and a hexagonal molecular-like structure. The text "OUR CUSTOMERS" is prominently displayed in the upper center in a bold, blue, sans-serif font.



ADVANTAGES BY PARTNERING WITH DTL

- Strategically located to serve all PUs & RS OEMs.
- Better **connectivity** between Pune and PU/OEMs vide Rail & Road.
- One Company to Contact for **Shell** as well as **Furnishing**
- Single point for **Contractual** dealings.
- Better **Productivity** as Design and Manufacturing are in Sync.
- **Costs** are Cut.
- Greater **Quality**.
- Lesser **Inventory**.
- Utilizing DTL's "all-under-one-roof" competency.

- DTL's networking will greatly come to influence by indigenized procurement, meeting "**Make-in-India**" mandate.
- DTL's **foreign collaboration** in technological improvements for modernized "future-ready" can be leveraged.
- Leverage the expertise in shell modification and interiors, as already done in the export coaches, indigenously developed **GLOCAL** Product for CFM Mozambique.
- Therefore rolling out coaches from DTL is **beneficial for all**.

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