



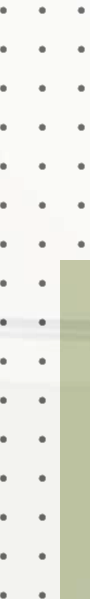
CENTRIQUE
INDUSTRIES

TOPLAND ENGINES PVT. LTD.

"STRENGTH IN EVERY PIECE"

ABOUT US

- Topland Group of Companies - Founded in 1981
- Based in Rajkot, Gujarat, India - 360110
- Staffing - 936 Employees
- Diverse product portfolio of over 1300 products with 1Lakh+ variants catering 3 various industrial sectors
 - Agriculture Sector for Water and Power Sourcing
 - Infrastructure Sector for Roads, Buildings and Industrial projects
- 20 manufacturing, assembly, and quality control units
- Spread over 50 acres across the city of Rajkot, Gujarat, India
- 270+ dealers and distributors across India
- Exporting to 35 countries across Africa, Europe, Middle East, and Central America



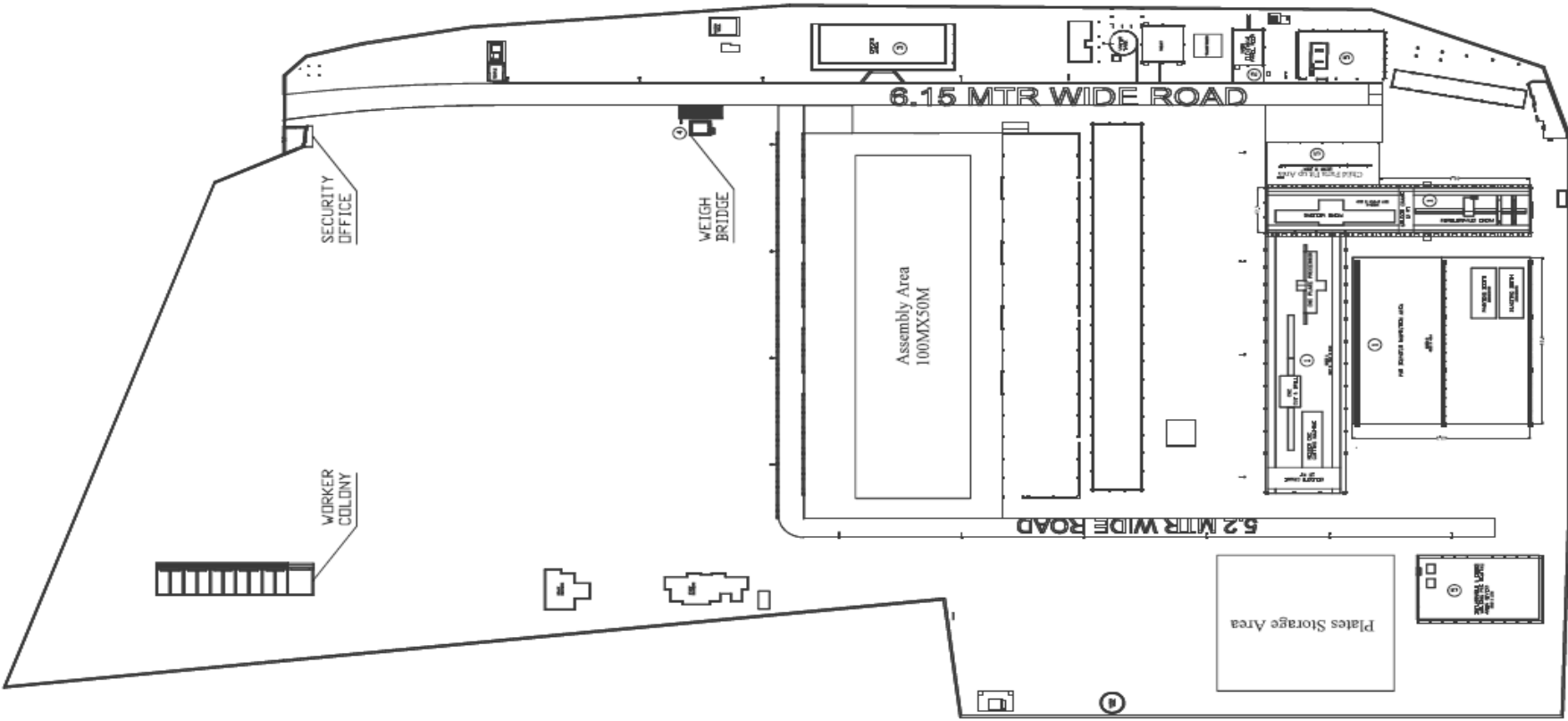
FACILITY OVERVIEW

Sr. No.	Description	UOM	Qty	Remarks
1	Total Area	Sq. Ft (Acres)	616,000 (15.5)	Expansion On-Going
2	Fabrication Area - Fully Covered	Sq. Ft.	96,750	-
3	Painting Area - Semi Covered	Sq. Ft.	33,200	-
4	Raw Material and Finished Goods Storage Area	Sq. Ft.	143,350	-
5	Trial Assembly / Misc. Storage Area	Sq. Ft.	31,200	-
6	Staff and Admin Housing Capacity - Inside Plant	Units	16	48 Pax.
7	Labor and Workforce Housing Capacity - Inside Plant	Units	60	240+ pax.
8	Warehouse, Stores and Gen. Maintenance Area	Sq. Ft.	11,400	-
9	Office and Meeting Area	Sq. Ft.	6,740	-
10	Weigh Bridge Capacity	MT	100	Calibrated

PLANT LAYOUT

TABLE 01	
SR. NO.	NAME OF STRUCTURE
1	FACTORY SHED
2	ELECTRICAL PANEL ROOM
3	OFFICE BUILDING
4	WEIGH BRIDGE
5	STORE

Total Area = 6,53,400 sq. ft.
Covered Area = 90,902 sq. ft.



SHED 1 CUTTING / DRILLING (BAY 1-72.7 X 17.8)
SHED-2 FABRICATED BLACK MATERIAL OUT (BAY 2-64.4 X 12.3)
SHED-3 BLASTING & PAINTING BOOTH (BAY-3-43.3 X 46.4)

NOTE: ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.

NO.		DATE	DN NO.	REVISION TABLE		TOPLAND ENGINES PRIVATE LIMITED				DRG. NO.		TEPL/PL/01		TITLE:		TEPL FACTORY LAYOUT		TEPL ENGINE PVT. LTD.		
						SYMBOL	VALUE (µm)			MAIN ASSY:	SUB ASSY:	DESIGN BY	NAME	DATE						
						▽▽▽	0.1-0.025		-		-		GP	23/10/2023						
						▽▽	0.2-0.8		-				AK	23/10/2023						
						▽	1.6-6.3		-				SB	24/10/2023						
						▽	12.5-25													
						~	>50													



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PLANT TOUR



PLANT TOUR



PLANT TOUR



PLANT TOUR



NEW FACILITY EXPANSION

Highlights: Bay 1 and Bay 2 (101x28x14 Mtr.) each
Handling Capacity: 4 Nos. Double Girder EOT of SWL Capacity 30MT ea.



EOT CRANE FABRICATION



ONGOING PROJECTS

Sr. No.	Project	Tonnage	Works	Estimated Completion
1	FOB – 12 M Wide – Ankleshwar Station – Amrit Bharat Station Scheme	430	Super Structure	July 2026
2	FOB – 12 M Wide – Nandurbar Station – Amrit Bharat Station Scheme	270	Substructure, Super Structure, Roofing, Staircase	July 2026
3	FOB – 12 M Wide – Mahemdavad, Bharuch FOB Station – Amrit Bharat Station Scheme	250	Substructure, Super Structure	August 2026
4	Box Columns for Data Centers – CtrlS Datacenters, Iron Mountain Data Centers	665	Box Columns, Tie Bracings, Shear Walls and I-Girders	August 2026
5	ROB in Gandhidham – 36M Composite Girder with Skew	210	Super structure	September 2026
6	FOB – 6/12 M Wide – Jogeshwari, Grant Road Stations – Amrit Bharat Station Scheme	315	Super Structure – Main Girders	September 2026
7	FOB – 6/12 M Wide – Limbdi, Dhola, Bhavnagar Station – Amrit Bharat Station Scheme	270	Super Structure – Main Girders	September 2026
8	ROB in Dwarka-Okha Section – 51 M Composite Girder	275	Super Structure	October 2026
9	JSW Anjar Steel Plant Expansion	240	Conveyor Gallery	October 2026
10	ROR in Dholera – 7 x18.3 M Composite Girders	205	Super Structure – Main Girders	October 2026

COMPLETED PROJECTS

Sr. No.	Project	Works	Estimated Completion Date
1	FOB - 12 M Wide - Chandlodiya B Station - Amrit Bharat Station Scheme - 250 MT	Substructure, Super Structure	15 th April, 2026
2	FOB - 12 M Wide - Chandlodiya B2 Station - Amrit Bharat Station Scheme - 780 MT	Superstructure - Main Girder, Diaphragm, Cap Beam	30 th June, 2026
3	ROB in West Bengal - 18M Composite Girder (Completed) and 60M Bow String (On-Going) - 830 MT	Super structure	15 th July, 2026 - 31 st December, 2026
4	FOB - 6 M Wide - Jamwanthali Station - Rajkot Kanalus BG Doubling Project Package 1 - 110 MT	Super Structure	10 th February, 2026
5	PEB Industrial Shed - Pixon Green Energy Pvt. Ltd. - Rajkot, Gujrat - 140 MT	Industrial Shed with Columns, Rafters, Bracings etc.	20 th August, 2025

COMPLETED PROJECTS

Sr. No.	Project	Works	Estimated Completion Date
6	Structural Steel Fabrication for AMNS - Hazira Site - 750 MT	Conveyer Gallery, Trestle	15 th July, 2025
7	FOB - 12 M Wide - Miyagam Station - Amrit Bharat Station Scheme - 250MT	Superstructure - Main Girder, Diaphragm, Cap Beam	27 th July, 2025
8	FOB - 12 M Wide - Amalner Station - Amrit Bharat Station Scheme - 350 MT	Substructure, Super Structure, Roofing, Staircase	17 th October, 2025
9	FOB - 6 M Wide - Kanalus, Pipli, Lakhabaval, Aliyavada Station (4 FOBs) Package 2 - 400 MT	Main Girders	8 th November, 2025
10	Rajkot-Kanalus BG Doubling Project - Major Bridges	Composite Steel Girder - 2x30.5M & 6x33.2M Span	6 th November, 2025

IN - PROCESS WORKS

Bevel Edge Cutting



CNC Oxy Fuel and Plasma Cutting



CNC Drilling (Splice/Gusset Plates)



Girder Butting and Finishing



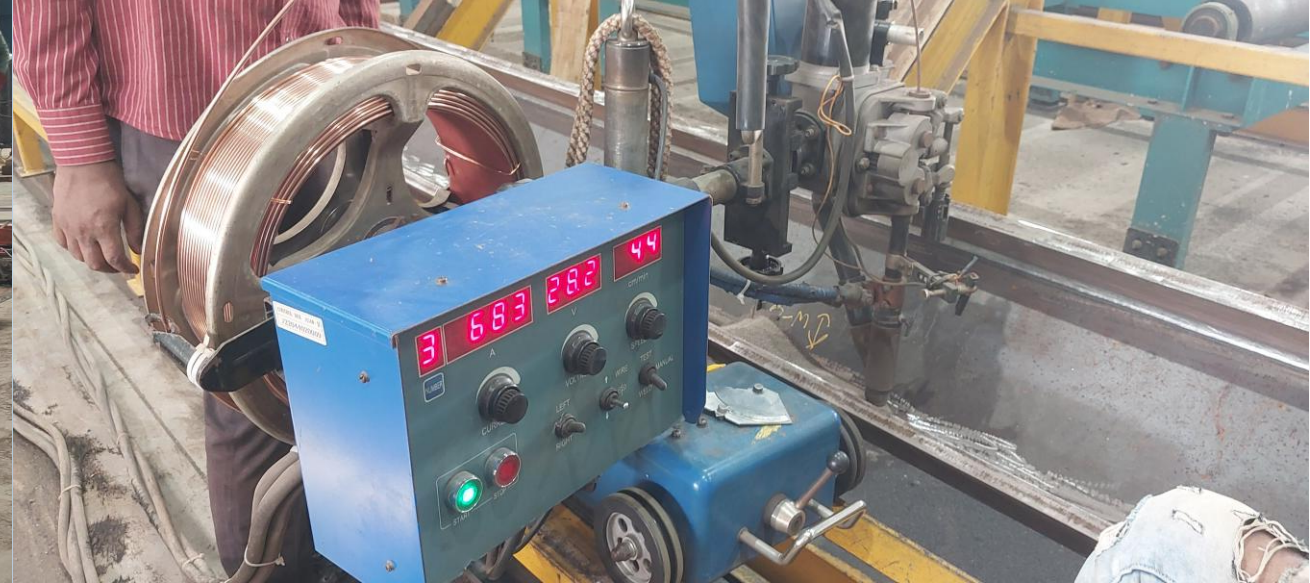
YANTRA DESIGN
CNC DRILLING MACHINE

IN - PROCESS WORKS

GMAW Welding



SAW Welding



Girder Fit Up on Vertical Beam Welding M/C



Top and Bottom Flange Straightening



IN - PROCESS WORKS

Manual Pug/Gas Cutting



Edge Grinding and Preparation



Magnetic Core Drilling on Flange/Web



100 % DPT Testing on Weld Joints (CFW, PPBW, FPBW) . . .



IN - PROCESS WORKS

Drawn Arc Stud Welding



SA 2.5 Steel Shot/Grit Blasting



Aluminum Metalizing



Painting and Finishing



Dry Film Thickness (DFT) Checking



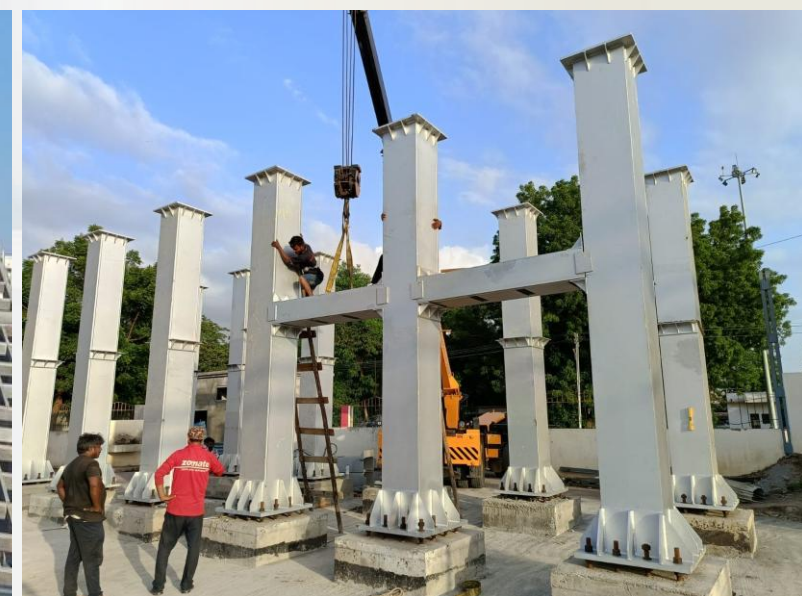
PRODUCT PORTFOLIO CAPABILITIES



ASSEMBLY GLIMPSES



SITE GLIMPSES



MACHINERY & EQUIPENT OVERVIEW

Sr. No.	Machines	Process	Make	Quantity
1	CNC Plasma and Oxyfuel Cutting	Plate Cutting	Messer	2
2	CNC Drilling and Milling	Plate Drilling	Yantra	2
3	Radial Drill	Plate Drilling	Siddhapura	1
4	Vertical Beam Welding Machine	I-Girder Fit Up	Primo	1
5	Flange Straightening Machine	Straightening	Primo	1
6	Semi-Automatic SAW Welding Tractor	SAW Welding	AOTOI	4
7	CNC Cut & Drill	Angle/Channel Cutting and Drill	FICEP	1
8	CNC Plate Processor	Punching, Drilling, Cutting, Marking	FICEP	1
9	GMAW Welding Machines	GMAW/FCAW	AOTOI, ESAB	13
10	MMAW Welding Machines	Arc Welding	Rajdeep, Rajlaxmi, ADOR	11
11	Angular and Straight Grinders	Grinding	Bosch	36
12	Magnetic Core Drill	Drilling	Eiebenstock, KPT	11
13	End Face Milling Machine	Girder Face Milling	Vohra	1
14	Stud Welding Machine	DASW Stud Welding	Panchvaktram	1
15	Shot/Grit Blasting and Painting Booth	Blasting and Painting	Redemaco	1
16	Heat Drying Oven - Electrodes and Flux	Flux and Rod Baking	Haridas	2
17	Gantry Goliath Cranes - 20 MT and 10 MT	Material Lifting	Top Crane	2
18	Extended Overhead Crane (EOT) - SWL 30 MT	Material Lifting	Topland	4
19	Semi-Goliath Crane - 5 MT	Material Lifting	Topland	1
20	Forklifts 2 MT, Hydra 12 MT and Faranna 15 MT	Material Shifting	Godrej, ACE, Escorts	7

STATE-OF-THE-ART FACILITY

- **Cut & Drill**

Standard beam, angle and channel processing line, drilling, milling, punching and bandsaw cutting for pieces upto 12M(L) x upto 1.3M(W)

- **Drill Capacity:**

- Flange height: 20" -> 500mm
- Beam Depth: 4' -> 1.25m
- Drill Diameter: 40 mm
- Drill Thickness: 25 mm

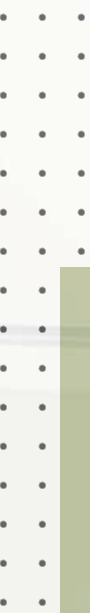
- **Band Saw:**

- Sawing Capacity: 0.5 - 1 m

- **Plate Processor**

Standard plate processor up to 6m(l) x 3m(w) with punching, drilling, marking and Hypertherm plasma cutting

- Punching Force: 100 MT
- Punch Thickness: 25 mm x 203 mm dia.
- Drill Dia. 8 - 40 mm



STATE-OF-THE-ART FACILITY

- Oxy Fuel and Plasma Cutting

Up to 80mm thickness in Plasma Cutting.

Up to 120mm in Oxy-Fuel Cutting process.



- Automation Systems

Vertical beam welding machine for beam welding upto 12m(l) x 3m(w) x 50mm(thickness) with 90 deg tilter

Beam straightening machine also installed to compliment the welding line with 180 deg flipper.



STATE-OF-THE-ART FACILITY

- Shot blasting and Painting booths

Equipped with automated dust collector and grit collection system

- End Milling Machine

Capacity - 1200mm x 2500mm up to 14 meters



LIST OF QC AND MEASURING EQUIPMENT

TOPLAND ENGINES PVT. LTD. LIST OF MEASURING EQUIPMENTS						
Sr. No.	Name	Code No.	Make	Serial No.	Range	Remarks
1	Digital Vernier Caliper	TEPL/DVC/01	Mitutoyo	0067961	0-300mm	
2	Digital Vernier Caliper	TEPL/DVC/02	Mitutoyo	0070960	0-300mm	
3	Bevel Protector	TEPL/BP/01	Mitutoyo	004409	0-360°	
4	Infrared Thermometer	TEPL/IT/01	Professional Instruments	2603745	-30 to 1150°C	
5	Welding Gauge	TEPL/WG/01	Kristeel	-	0-25mm	
6	Measuring Tape-5M	TEPL/MT/5M/01	Freemans	-	1-5000mm	
7	Measuring Tape-5M	TEPL/MT/5M/02	Freemans	-	1-5000mm	
8	Measuring Tape-15M	TEPL/MT/15M/01	Freemans	-	1-15000mm	
9	Measuring Tape-15M	TEPL/MT/15M/02	Freemans	-	1-15000mm	
10	Measuring Tape-100M	TEPL/MT/100M/01	Freemans	-	1-100000mm	
11	Measuring Tape-30M	TEPL/MT/30M/01	Freemans	-	1-30000mm	
12	LASER DISTANCE METER	TEPL/LDM/01	BOSCH	227298833	1-150000mm	
13	CROSSLINE LASER LEVEL	TEPL/CLL/01	BOSCH	225001667	1-50000mm	
14	Auto Level(dumpy level)	TEPL/AL/01	Sokkia	-	0-40000mm	
15	Cross Cut Test Kit	TEPL/CT/01	Accuplus	-	1 to 2mm	
16	Blasting Profile Comparator	TEPL/RC/01	Rubert	36090	-	
17	Wet Film Thickness Gauge	TEPL/WFT/01	Accuplus	A2729	25-3000μ	
18	Dry Film Thickness Gauge	TEPL/DFT/01	Accuplus	1256098	0-1500μ	
19	Profile Gauge	TEP/PG/01	Accuplus	A68103	0-12.7mm	
20	Micrometer	TEPL/MM/01	Micrometer	W774	0-25	
21	MPI Yoke	TEPL/MPI/01	Magnaflux	2024055452	21Kg & 5Kg	
22	Flux Drying Oven	TEPL/FO/01	Haridas	23092326	500Kg	
23	Electrode Drying Oven	TEPL/EDO/01	Haridas	23092332	400Kg	
24	Tong Tester	TEPL/TT/01	Fluke	64430545WS	1000A	
25	RT Film Viewer	TEPL/RTFV/01	Magnafield	2351	4"X12"	

LIST OF QC AND MEASURING EQUIPMENT

QA/QC Testing Abilities at plant:

- NDT (Non Destructive Test) - Welding
 - DPT (Dye Penetration Test)
 - UT through an ASNT Certified technician
 - VT - Visual Testing
 - MPT (Magnetic Particle Testing)
 - RT (Radiography Testing)
 - Macro Etching Testing

Surface Preparation Testing:

- Blasting Profile Gauge
- Surface Roughness Comparator
- Dust Test
- Wet Film Thickness
- Dry Film Thickness
- Adhesion Test



CONTACT US



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RDSO Approved Bridge Manufacturers

FOB, ROB, Composite Steel Girder, Bowstring Arch,
Open-Web Girder Bridges, PEB Structures



CENTRIQUE
INDUSTRIES

Centrique Infratech Pvt. Ltd.

Group Concern of Topland Engines Pvt.Ltd.
(Steel Fabrication)

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