



TOOLFAB



**bsi.**  
ISO 9001:2015  
Certified Company



# Toolfab Engineering Industries (P) Ltd

## ABOUT US

*We have pleasure in introducing ourselves as one of the leading Engineering manufacturing industry in Trichy, Tamilnadu, India, with over two decades of experience in the manufacture of power plant equipment, including heavy fabrication components.*



*Founded in 1995, by Mr. Chava Madan Mohan -Over 2 decades of experience we have steadily grown & established our name as "The best in heavy engineering fabrication".*

## OUR POTENTIAL



*"Toolfab focusing on Heavy Engineering Fabrication with major emphasis on Wind Mill Towers, Thermal Power Plant Boiler, Mining Equipments etc. Further significant development of High Engineering Techniques & Technology in achieving the 100% Quality and Customer Satisfaction in Time"*

*Unit I - Regd. Office and works, E3-E10, Developed Plots Estate, Thuvakudi, Tiruchirappalli. Tamilnadu*  
*Unit II - Works, SENGIPATTI, Trichy- Tanjore Main Road,*  
*Unit III - Works, 105/4 & 105/3, Asoor, Trichy - Tanjore Main Road,*

*Constructed Area : 250000 Sq.Ft  
Enhanced HT Power : 1150 Kva  
Enhanced LT Power : 300 kva  
Backup D/G Power : 500 kva*

## PRODUCTS

**Railway Bridge Structures**  
Bridges,

Composite Steel Girders, Road over Bridges, River Over Bridges, Foot Over Insulated Channel Sleepers.

**Wind-Mill Towers**

Conical, Tubular, Hexagon and lattice types.

**Pressure Parts**

All type of coils, loose bends, water wall panels, headers, Tanks, Pipings, skid assembly, welded bifurcates, fabricated unequal tee, Drums and ring header.

**Conveyor Equipments**

All type of Pulleys with Shaft, Drive Head & Tail End Station, Idlers, Standard Shiftable Frames, Transition Frames, Belt Scrapers, Skirt Board, Crawler Pad.

**Ducting**

Square, Elbow, Transition, Circular, Equal Tee, Unequal Tee, Chimneys, Reducers, David Assembly, Flue Gas Duct, Cold Gas Duct, Oil Air Duct,

Air Foil Duct etc.

**Dampers**

Gate, Auto-dampers, Circular dampers, Isolators, Wind Box Assembly.

**Structural Columns**

'+' Columns, 'I' Columns, Box Columns, Ceiling Girders

**Structural Beams**

Welded Beams, Bracing Beams, Bracing Boxes, Buck stay beams, Monorails

**Others**

Steam Flow Diverter frame, Steam Flow Duplex Flap, Flap Arm, Gear Box Assembly, Toggle Arm, Seal Air Fan Frame, Guillotine Top Frame, Track Bends, Reducers, Venturi Meter, Flow meter, Panels, Diffuser, Header Blocks, Casing Walls, Skirt Assembly, Track Plates, Doom Bridges, Mill Housing Armoring Plates, 1400 Ltrs. Buckets.

Plates,  
Air

## Blasting Resource

Automatic Blasting Chamber



## Testing Facilities

### Equipments

Easy Laser - Surface Flatness Measurement and alignment system

Capacity

Qty

--- 5 No.

Make-DAMALINI AB - SWEDEN

Ultrasonic Testing

--- 4 Set.

Magnetic Particle Testing

1200 A 2 Nos.

Liquid Penetrate Test kits

--- 20 Nos.

Painting Gauge - Coat measure M-1. Digital

--- 1 No.

Profile Gauge.

--- 1 No.

Thickness Measurement Gauge ( D Meter)

--- 1 No.

Distance Measurement Laser

--- 2 Nos.

'I' Type Straight Edge 4.5 Mtr.

--- 1 No.

Pressure Gauges - Various Ranges

--- 6 Set

Hydro Testing Pump ( 350 Kg/cm<sup>2</sup> (g) )

--- 1 No.



## HANDLING FACILITIES

Area	Handling	Crane capacity	Qty.
Unit-1 - 3 bays of Area (20mx170m)	Over head EOT Cranes	15 MT	5 Nos.
		40 MT	4 Nos.
Unit-2 - 5 bays of Area (20mx220m)	Over head EOT Cranes	15 MT	4 Nos.
		40 MT	10 Nos.
		50 MT	2 Nos.
	A- Frame 12 m x 8 m / 12 m x 10 m	15 MT	5 Nos.
	A - Frame 14 m x 8 m Lift	30 MT	2 Nos.
	Hydraulically Operated Mobile Crane	12 MT	10 Nos.
	Hydraulically Operated Mobile Crane	14 MT	2 No.
Transport Facility	Jeep Mounted Trailers	40 MT	3 Nos.
	Tractor Mounted Trailers	20 MT	2 Nos.

## ATTIPATTU ROB THROUGH TNRDC (LENGTH : 47 M)



## PRODUCTION & TESTING FACILITIES

S.No	Equipment	Capacity	Qty
1	Material Preparation		
	CNC / Plasma Profile Cutting Machine make-Messer Comcut –Max 200	Cut Upto 60 mm thick	1 No.
	CNC / Plasma Profile Cutting Machine Make-Messer Comcut –HSD 130	Cutting Upto 40 mm thick	3 No.
	Pug Gas Cutting Machines	100 mm	25 Nos.
	Gulco Beveling Machine	Bevelling Upto 30 mm thick	01 No
2	Forming		
	Plate Bending machine – Conical & Spherical Himalaya	30mm x 2500mm width	2 No.
	Plate Bending machine – Conical & Spherical Himalaya	60mm x 3000mm width	3 No.
	Hydraulic Press M/c. (Max Length – 5.2 M)	2500 M.T.	1 No.
3	Welding		
	Column & Boom Machines for SAW Welding	---	20Nos.
	Submerged Arc Welder (Tractor Type for Inside Welding )	1200 ,1000,800 A	40Nos.
	Rectifiers	400 A	09 Nos.
	Inverter	400 A	99 Nos.
	MIG \ MAG Welding, Make - ESAB, Mogra.	600 A	15 Nos.
	Single Phase Weld Machine	160 A	5 Nos.
	Electrode Baking, Flux Ovens	400 deg C	5 Nos.
	Portable or Flask Ovens	150 deg C	20 Nos.
4	Machining		
	Heavy Duty Lathe Centre Height 850mm, Between Centre 4600mm, Flanges up to Dia 2500mm	50 HP	01 No.
	HMT make-Radial Drilling RM63.1800arm length	63 mm	5 No.
	Imported – Radial Drilling RM65.	63 mm	2 No.
	Portable Grinders	AG 7”	120 Nos.
5	Shear connecting stud welding machine.	25mm – 27mm	2 No
	Pneumatic Riveting Hammer Model 180	16mm - 28mm	2 Nos
6	Hydraulic Prebending machine – (Warpage Removal)	500 MT	1 No
7	Surface Preparation		
	Electric Compressor 500 cfm	8.16kg/cm2	1 No.
	Grit & Sand - Blasting Chamber	8Mx8Mx30M	2 Nos.
	Blasting Equipment complete set		4 Nos.
8	Painting		
	Airless Painting M/c. Make-Graco 45:1	---	2 Nos.
	Paint Spray Guns	221	4 Nos.
	Metalizing Gun complete set (Aluminum) with Pneumatic operation.		3 Nos.
	Air Compressor electrical operated.	300 cfm	2 Nos.
	Air Compressor diesel operated.	300 cfm	4 Nos.
	Air Compressor electrical operated.	600 cfm	1 Nos.
9	Others		
	E.B Power	550 KVA-HT	Unit I
	E.B Power	600 KVA-HT	Unit II
	D.G Power Generators	250 KVA	4 Nos.



## OUR VARIOUS PRODUCTS GALLERY



Storage Tank



Tower Nacelle



Boiler Drum



Ducting



Coils & Panels



Conveyor Pulleys



Track Plates



Metalized, Painted Girders



Girders under transit



Girder Drilling



Stud Welding



Beam with Studs



Metalizing & Painting



Riveting Process

### THROUGH TYPE BRIDGE



### RIVER OVER BRIDGE



## PAMBAN BRIDGE WORK



## ROAD OVER BRIDGE



# FACTORY WORK VIEW



# SITE WORK VIEW

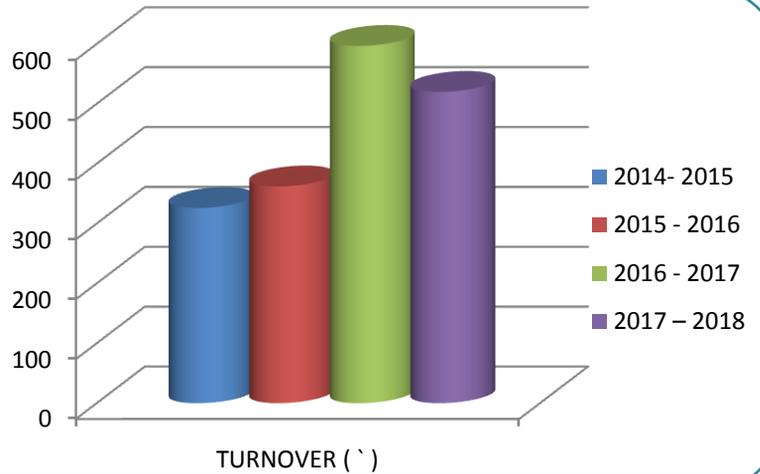


# STEEL FLYOVER WITH PIER & PIERCAP



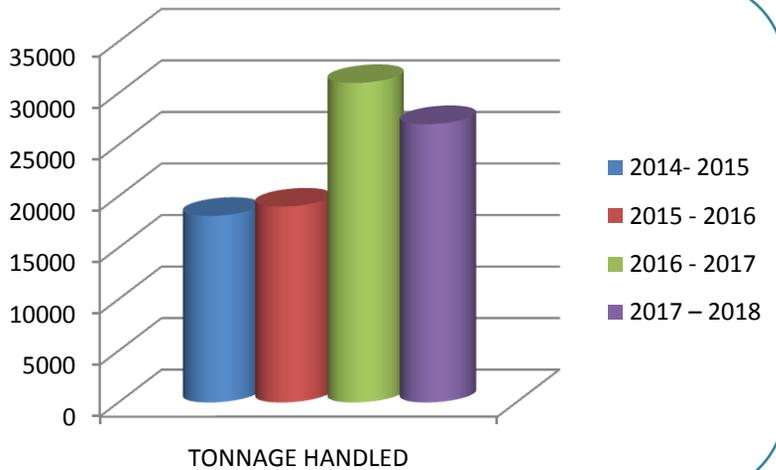
## Turn Over Chart

YEAR	TURNOVER ( ` )
	IN MILLION
2014- 2015	325.90
2015 - 2016	362.00
2016 - 2017	596.70
2017 - 2018	520.00



## Tonnage Chart

YEAR	TONNAGE HANDLED
	IN METRIC TON
2014- 2015	18100
2015 - 2016	19000
2016 - 2017	31000
2017 - 2018	27000



## Customers



# Certifications

**Toolfab Engineering Industries (P) Ltd.,** has been certified that Quality Management System of TFEIPL is of **International Standard**

**“ISO 9001 : 2015”**

For the following Product or Service Ranges by BSI Assurance UK Limited, 389 Chiswick High Road, London W4 4AL, UK.

“Manufacture and Fabrication of Heavy engineering Structural, Equipments & Components for Windmill towers, Power plants, IBR boilers, Mining machinery, Cement Plants, Railway Wagons and stainless steel components.”

“Erection and Commissioning of Heavy Engineering Structural. ”

“Handling of projects related to detailed Engineering of Heavy Engineering Structural & components for unfired Pressure Boilers.”



## IBR CERTIFICATIONS

We have been qualified by the “**INDIAN BOILER REGULATION**” Authority to take up Pressure Parts Fabrication, for Carbon Steel as well as Alloy Steel Fabrication. And we are one of the leading supplier of Pressure Parts Fabrication to the “**Bharath Heavy Electrical Limited**” & Other NTPC in India.

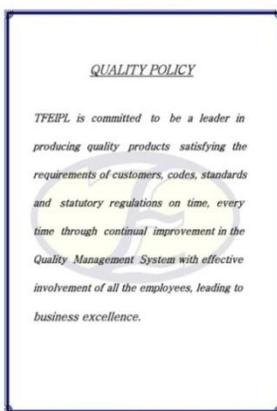
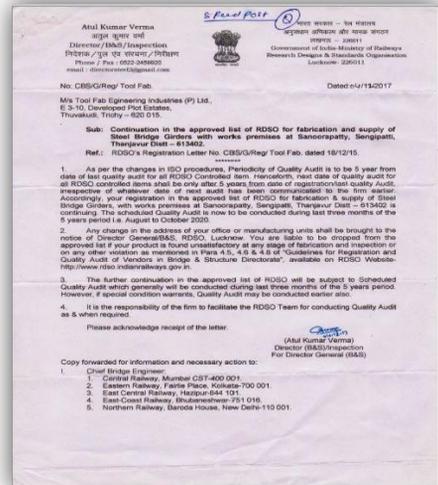


## ISO 3834-2 QUALITY REQUIREMENTS FOR FUSION WELDING



## QUALITY FOCUS

In our Organization, continuous improvement to process is not an assignment, but a way of life. This tradition of quality consciousness is linked directly to the company's history of excellence and Success. Raw materials are sourced predominately from reputed companies and customers approved Suppliers. Keeping the product characteristic in mind, the film is designed with product economics in mind. We have assigned well experienced personals to inspect the projects each and every stages up to dispatching as per ISO standard procedure.



We are certified by  
**“RESEARCH DESIGN & STANDARDS ORGANISATION”**  
**“GOVERNMENT OF INDIA**  
**MINISTRY OF RAILWAYS”**

For

Fabrication and Supply of  
 Riveted & Welded Steel Girders



TOOLFAB



**MAHE - RIVER OVER BRIDGE NO.1070**

**Corporate office & Work Sites:**

Unit I

E 3 -10, Developed Plots Estate, Thuvakudi, Trichy ,  
Tamil Nadu , India.

Ph : +91 431 2500480, 2501056, 2501183. Fax : +91 431 2500290

Contact: **Mr.Chava Harshavardhan** (JMD),98424 - 07770

**Mr.Sagayam**(GM),98429 - 07771

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URL : [www.toolfabengg.in](http://www.toolfabengg.in)

Unit II

Trichy - Thanjavur Main Road, Sanoorapatti Village, Thanjavur District.

Unit III

Trichy - Thanjavur Main Road, Assur Post, Trichy, Pin code : 620 015.