



fives stein

Your Indian partner for industrial furnaces

Fives Stein India Projects Pvt. Ltd.





“Since more than 30 years Fives Stein’s activity has been directly linked to the investments made in India in the steel and glass sectors. Renowned customers use Fives Stein’s technology and competence.”

Fives Stein is recognized as the first supplier of reheating furnaces in India since **it has built about 30 furnaces for the major Indian steel makers** : Steel Authority of India Ltd (Rourkela Steel Plant), Rashtriya Ispat Nigam Ltd (Vizag Steel Plant), Essar Steel Ltd, Hazira Plant Ltd, JSW Ltd, Welspun Gujarat Sthal Rohren Ltd, Jindal Steel & Power Ltd, JSL Ltd, who have regularly entrusted Fives Stein with the construction of their furnaces incorporating the latest technical developments. Fives Stein is also currently providing the furnace section of an horizontal metal coating line for Tata Bluescope Steel Ltd.

More recently, Fives Stein emerged as a prime contractor to supply equipment for Indian float glass plants. Recent references include an annealing Lehr for Saint-Gobain Glass India Ltd.

Fives Stein is now building a complete hot end (melting furnace, tin bath, annealing Lehr and air pollution control system) for Sejal Architectural Glass Ltd.

To support the development of the Indian economy and to reinforce its presence in this country, **Fives Stein created its subsidiary, Fives Stein India Projects Pvt. Ltd.** (formerly Stein Heurtey India Projects Pvt. Ltd.), in 1994.

Fives Stein has the capability to offer to the Indian industry a leading technology at competitive prices as the equipment is designed and manufactured in India, meeting the most severe environmental regulations.

A professional team

70
professionals

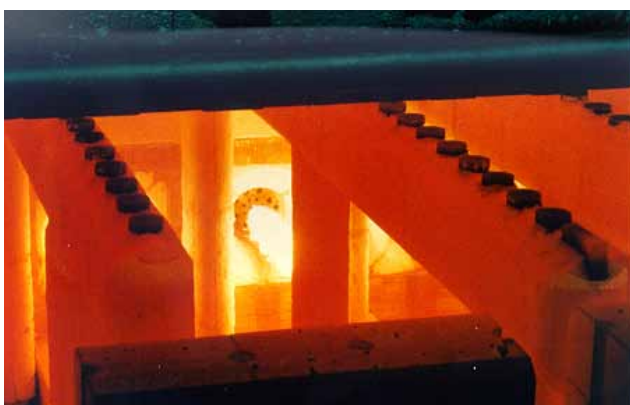
Fives Stein’s activity has expanded very rapidly since it presently occupies a 8,500 sqft office area with modern data processing equipment. The order volume recorded since the settlement of Fives Stein in India amounts to more than USD 130 million.

130
million USD of order recorded

Our subsidiary is today in a position to undertake any thermal engineering job, assisting the Indian industry in its development and supporting Fives Stein in its export activities.



Office in Kolkata



Essar Steel Ltd - 320 t/hr walking beam furnace

→ Supply record

- The largest walking beam furnace in India of 320t/hr at Essar Constructions Ltd, Hazira (Gujarat).
- Turnkey construction of a 250t/hr walking beam furnace at JSW Ltd, Vijayanagar (Karnataka) in a record-breaking time of 18 months.



→ Major achievements in India

Walking beam proportional control furnace executed by Fives Stein

MAIN CUSTOMERS	TOWN (STATE)	OUPUT (T/HR)	PRODUCT	REMARKS
RASHTRIYA ISPAT NIGAM LTD (VIZAG STEEL PLANT)	Vishakhapatnam (Andhra Pradesh)	200	2 Furnaces Mild steel blooms	Evaporative cooling system. End charge and end discharge on two rows. Roof burners in upper zones and front burners in lower zones. Gas and air preheating
RASHTRIYA ISPAT NIGAM LTD (VIZAG STEEL PLANT)	Vishakhapatnam (Andhra Pradesh)	200	1 Furnace Mild and carbon steel billets	Combined walking beam/walking hearth furnace. End charge and side discharge (billets 4 by 4). Roof burners in upper zones and front burners in lower zones
RASHTRIYA ISPAT NIGAM LTD (VIZAG STEEL PLANT)	Vishakhapatnam (Andhra Pradesh)	130	2 Furnaces Mild steel blooms	Evaporative cooling system. Front charging and discharging roof burners in upper zones. Front burners in lower zones. Gas and air preheating. Staggered beams.
ESSAR CONSTRUCTIONS LTD	Hazira (Gujarat)	320	2 Furnaces Carbon steel slabs	Roof burners in top soak zone. Front burners in bottom soak zone. Front burners in top and bottom heat zones. Modulating flux side burners in top and bottom preheat zones. Staggered beam arrangement
ROURKELA STEEL PLANT LTD	Rourkela (Orissa)	100	1 Furnace Slabs for Plate Mill	Flat flame roof burners in upper zones. Side burners in bottom preheat zone. Front burners in bottom heat and soak zones. Laser positioning. Slab handling equipment, incl. pusher, extractor, charge and discharge roller tables
ROURKELA STEEL PLANT LTD	Rourkela (Orissa)	225	2 Furnaces Slabs for Hot Strip Mill	Flat flame burners in upper soak zones. Side burners in upper preheat zone. Front burners in upper heat, lower preheat, heat and soak zones. Laser positioning. Computer optimizing system. Slab handling equipment including pusher, extractor, charge and discharge roller tables

Walking beam proportional control furnace executed by Fives Stein

MAIN CUSTOMERS	TOWN (STATE)	OUPUT (T/HR)	PRODUCT	REMARKS
JSW Ltd	Vijayanagar (Karnataka)	250	2 Furnaces Slabs for Hot Strip Mill	Flat flame burners in upper soak zones. Side burners in upper preheat zone. Front burners in upper heat, lower preheat, heat and soak zones. Laser positioning. Computer optimizing system. Slab handling equipment

Walking beam Digit@l furnace® under execution by Fives Stein

MAIN CUSTOMERS	TOWN (STATE)	OUPUT (T/HR)	PRODUCT	REMARKS
JINDAL STEEL & POWER LTD	Patratu (Jharkand)	160	1 Furnace Billets for Wire Rod Mill	Charge - Side Discharge - Side Level 2 optimization system
JINDAL STEEL & POWER LTD	Patratu (Jharkand)	200	1 Furnace Billets for Bar Mill	Charge - Side Discharge - Side Level 2 optimization system



Saint-Gobain Glass India - 650 t/day annealing lehr

→ Major achievements in India

Walking beam Digit@l furnace® under execution by Fives Stein

MAIN CUSTOMERS	TOWN (STATE)	OUTPUT (T/HR)	PRODUCT	REMARKS
WELSPUN GUJARAT STAHL ROHREN LTD	Anjar (Gujarat)	200	2 Furnaces Slabs for Plate Mill	Charge - Front Discharge - Front Level 2 optimization system
JINDAL STEEL & POWER LTD	Angul (Orissa)	280	1 Furnace Slabs for Plate Mill	Charge - Front Discharge - Front Level 2 optimization system
HAZIRA PLATE LTD	Hazira (Gujarat)	250	2 Furnaces Slabs for Plate Mill	Charge - Front Discharge - Front Level 2 optimization system
MORGAN CONSTRUCTION US for RASHTRIYA ISPAT NIGAM LTD (VIZAG STEEL PLANT)	Vishakhapatnam (Andhra Pradesh)	200	Billets	Charge - Side Discharge - Side Level 2 optimization system
JSL LTD	Haryana (Orissa)	265-290 (stainless)	1 Furnace Slabs for Hot Strip Mill	Charge - Front Discharge - Front Level 2 optimization system

Glass projects executed by Fives Stein

MAIN CUSTOMERS	TOWN (STATE)	OUTPUT (TPD)	SUPPLY ITEMS	REMARKS
SAINT GOBAIN GLASS INDIA LTD	Sripeumbudur (Tamil Nadu)	650	1 Annealing lehr	1st Float Glass Line of SGGI
SAINT GOBAIN GLASS INDIA LTD	Sripeumbudur (Tamil Nadu)	800	1 Annealing lehr	2nd Float Glass Line of SGGI

Glass projects under execution by Fives Stein

MAIN CUSTOMERS	TOWN (STATE)	CAPACITY (MT)	SUPPLY ITEMS	REMARKS
SEJAL ARCHITECTURAL GLASS LTD	Jhagadia (Gujarat)	550	Melting Furnace Tin bath Annealing lehr	Complete Hot End of the Float Glass Line

Metal coating lines projects under execution by Fives Stein

MAIN CUSTOMERS	TOWN (STATE)	CAPACITY (T/HR)	SUPPLY ITEMS	REMARKS
TATA BLUESCOPE STEEL LTD	Jamshedpur (Jharkand)	40 to 50	Furnace section of horizontal metal coating line	180 meters / minute process speed Strip thickness 0.25 to 1.3 mm Strip width 600 to 1,270 mm