

SBF
RAPiD >>>®

SBF RAPiD THERMEX 550D TMT

Strong.Build.Forever...

**STRONG BUILD
FOREVER**



मजबूत निर्माण
सदा के लिए

SBF RAPiD THERMEX 550D



IS:1786

CM/L 8600105815


45001:2018
9001:2015
14001:2015



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Strong.Build.Forever...



INDIA'S NO.1
(4 IN 1 QST BAR)

SBF RAPiD THERMEX 550D

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ABOUT US

SBF Group was founded in 1991, SBF Group brings over three decades of excellence in steel manufacturing, led by a dynamic team of visionary entrepreneurs. Headquartered in Bhiwadi, Rajasthan, with state-of-the-art facilities for producing MS Billets and QST TMT Bars, SBF has firmly established itself as a trusted and leading name in the Indian steel industry.

We are proud manufacturers of SBF RAPID THERMEX 550D TMT Bars, a benchmark in strength, durability, and sustainability. Today, SBF Group is recognized as one of the largest manufacturers of Physically and Chemically tested TMT Bars across Delhi NCR, Haryana, and Rajasthan offering in various grades 500/500D/550D & CRS.

Our commitment to International quality standards, advanced production technologies, and environmental responsibility has earned us the prestigious GreenPro Certification. As part of our forward integration strategy, SBF Group has commissioned a modern, fully automatic straight rolling mill with a capacity of 2.00 lakh TPA, in 2021 and is setting up a state-of-the-art greenfield plant with a capacity of 3.50 lakh TPA-starting by the end of 2025. With a combined TMT manufacturing capacity projected to cross 5.5 lakh tonnes by year-end. We continue to grow while embracing sustainable practices and minimizing environmental impact.

At SBF Ispat Pvt Ltd, we produce a wide range of QST bars from 8mm to 40mm in Fe-550D, Fe-500D & CRS grades. Our QST bars is produced as per Bureau of Indian Standards ISI 1786, IS 1608, IS 6892, IS 2770, IS 1599, IS 2830 and ISO 6935-2. SBF RAPID 550D QST bars have all the qualities of corrosion resistance, high strength, fire resistance, & high bending ability and Green Pro labelled TMT.

The group is promoted by a team of experts and experienced veterans with proven track records. The group is moving on its ethical business practices and complete transparency to provide their products and services with utmost customer satisfaction. We believe in building long-term relationships based on mutual trust and admiration with everyone, be it our customers, employees, dealers or distributors suppliers. We strengthen our motto of trust and safety with our product "SBF Rapid 550D" QST bars and make the country.

SBF GROUP – BUILDING INDIA STRONGER, SAFER, AND GREENER.

मजबूत निर्माण सदा के लिए



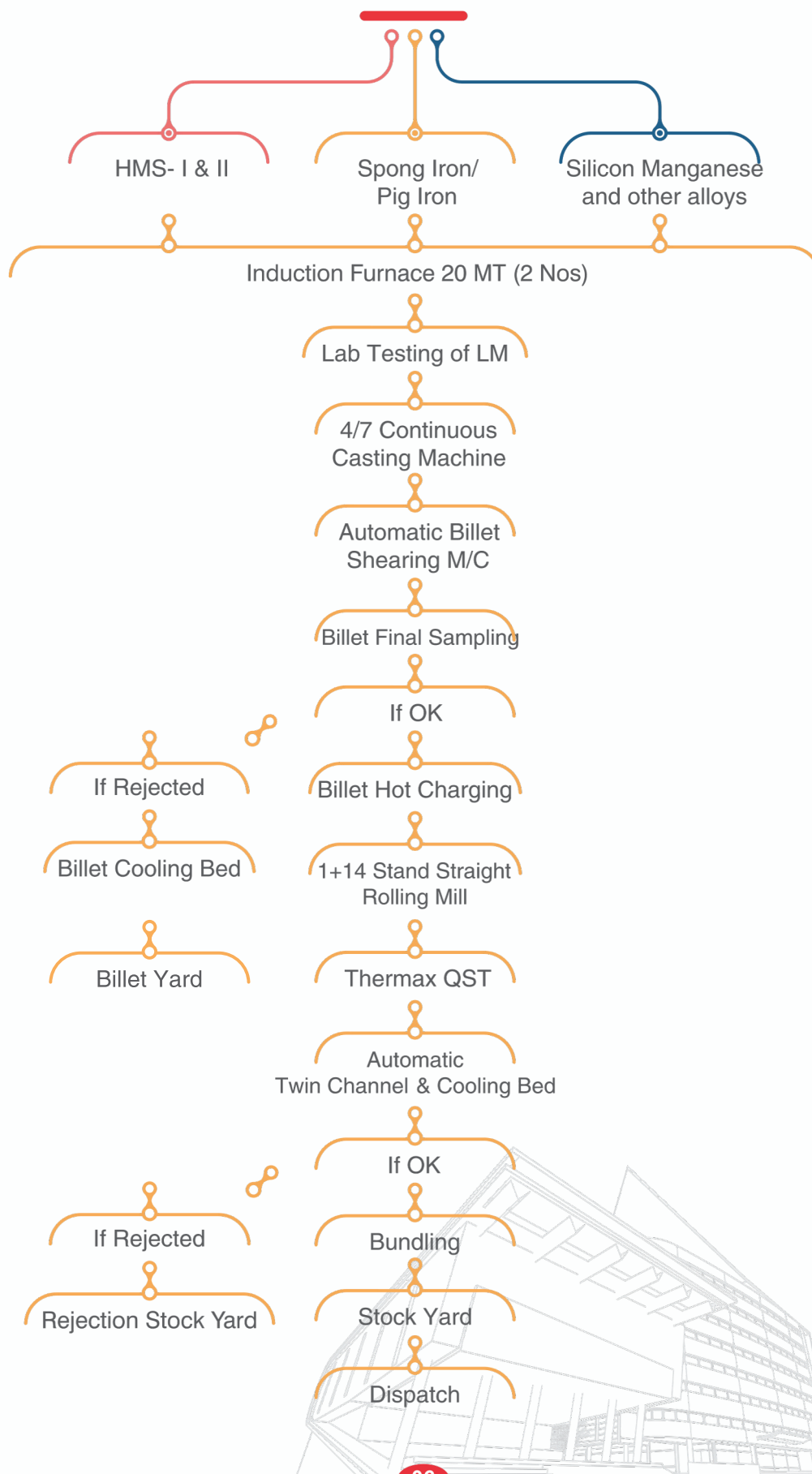


MISSION & VISION

- To provide consistently high quality products that exceed customers. expectations, accomplish profitable and sustainable growth with commitment towards social and environmental values.
- To become one of the leading Quality TMT/QST bars manufacturing companies in India with latest technologies at an affordable price.
- To practice the highest standard of corporate culture and contribute towards India's economic growth without harming the environment by using sustainable and environmental friendly manufacturing process.
- To internalize pursuit of quality in the framework of the organization.

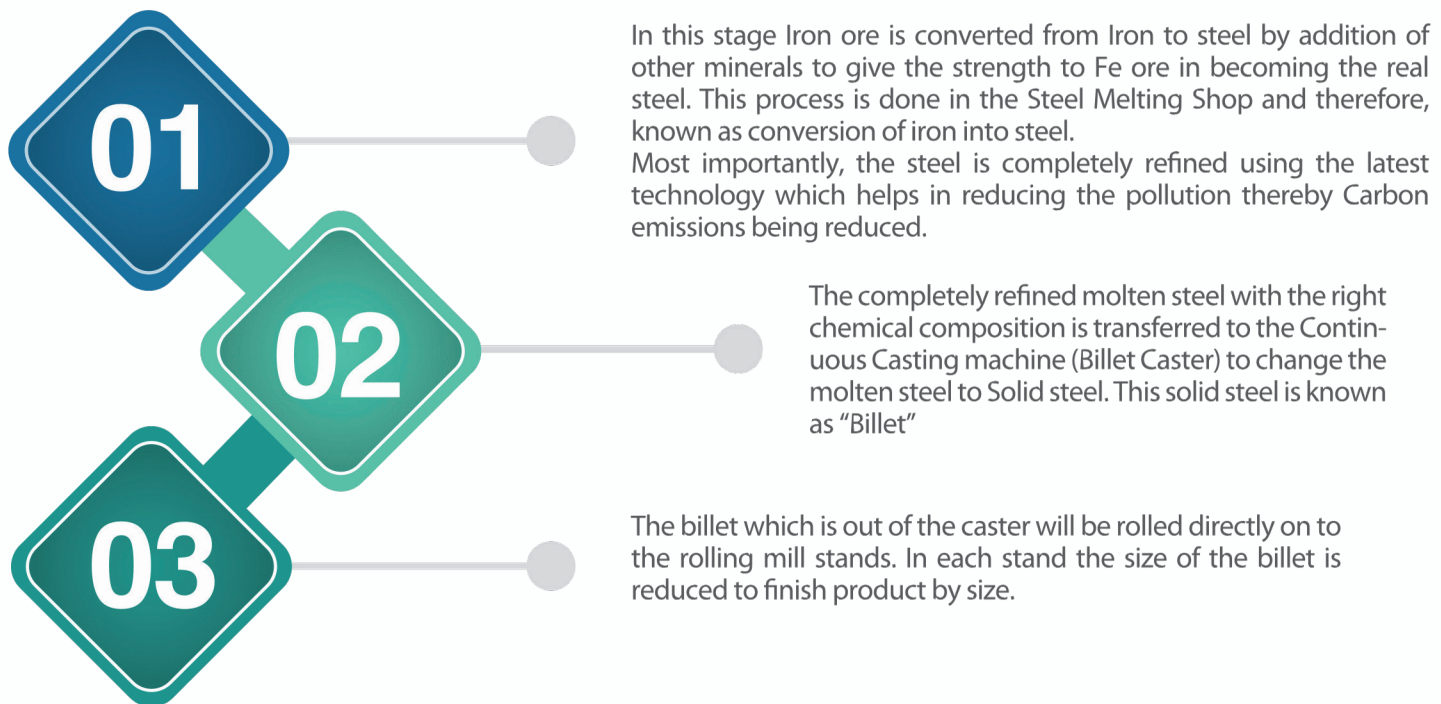
SBF RAPID QST BARS

MATERIAL FLOW OF INTEGRATED STEEL PLANT



MANUFACTURING PROCESS OF SBF RAPID TMT REBARS

The quality of SBF RAPID TMT differs from other similar products the way it is manufactured. The different stages involved in the making of Steel are as follows:



04

The finished product is passed through the system to remove the heat from the surface. This will allow the transfer of heat from the inner portion of the product to the outer surface. This balance of heat in the finished product will give a uniform change in the mechanical strength of the bars. The technology used in this stage is known as "THERMEX"

05

The bars after completing the Quenching stage will cool naturally on automatic cooling bed in the atmospheric temperature. This process is very important as the final product should balance the heat within itself to adjust to ambient temperature. This can be achieved properly by Rake type cooling bed as bars are separated from each other at an equal distance.

After this stage the final product is known as TMT (Thermo Mechanically Treated) BARS (add the pic of TMT bars)

06

Quality parameters are checked every half an hour for consistency in the TMT bars. Additionally a regular audit is done by the personnel from the company who has provided THERMEX technology

07

The TMT bars are then bundled marked with a unique tag for identity of SBF RAPID TMT bars. This final product is delivered to all the clients through our strong distribution network.



Eco-Friendly Construction

GREENPRO certification ensures the bars are produced with minimal environmental impact.

Environment Friendly

No secondary fuel used
Manufactured using only clean energy (solar/electrical)

Supports Green Building Initiatives

Ideal for eco-conscious builders aiming for LEED and sustainable certifications.





Superior Strength Durability

SBF Rapid TMT bars undergo strict quality checks, making them more resilient for long-lasting structures.

Energy Efficient Production

Manufactured using sustainable methods that reduce carbon footprint.

Maximize Utilization with SBF Rapid TMT Bars!

SBF Rapid TMT Bars provide high strength and flexibility, ensuring safe and durable high-rise constructions while optimizing steel usage for maximum Floor Area Ratio (FAR) efficiency.



SBF RAPID RIBS PATTERN

Straight Bars for Concrete Reinforcement

Our RIBS pattern is as per IS: 1786:2019 specifications.

The precision of the RIBS patterns as per BIS: 1786 2019 handbook is done using CNC Rib Cutting & Notching machines.



THE FUTURE IS NOW

YOUR DREAMS, OUR MISSION



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

**STRONG.BUILD.
FOREVER....**

GRADES AVAILABLE :
500, 500D, 550, 550D & CRS

OUR USP:

ADVANCED OUTER ARMOUR SHIELD (AOAS)

SBF TMT bars has introduced AOAS technology to produce their TMT Bars with the trade name SBF RAPID TMT



Benefits of using SBF Rapid TMT Bars :

Higher Strength

Since we are an integrated plant, we manufacture 550D Grade quality Billets in house which are low in Sulphur and Phosphorus with high manganese. These properties always provide higher strength and Ductility of our SBF RAPID 550 D TMT Bar. As per IS Standards Fe 550 D grade TMT Bars have ultimate tensile strength of 600 N/mm² and yield Strength 550 N/mm² so finally this strength is suitable for any construction.

Bend And Rebend Properties

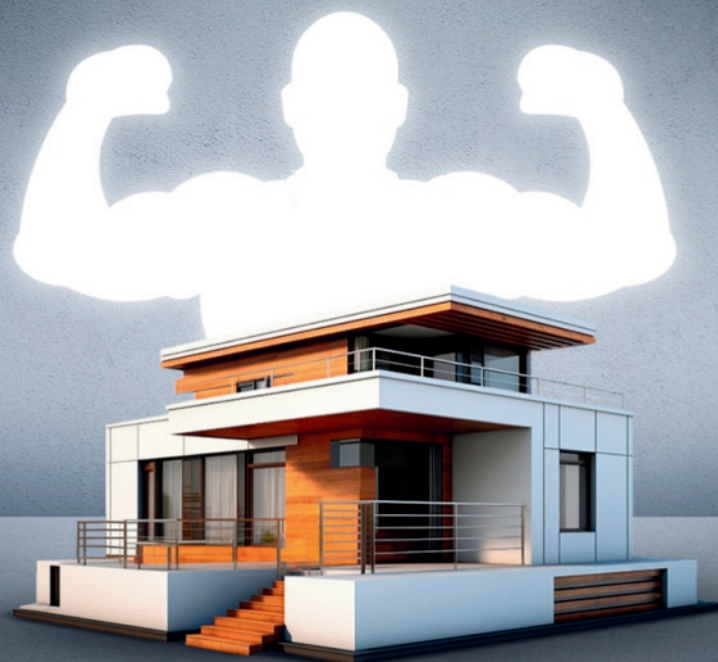
The special microstructure of SBF RAPID 550D QST TMT Bar results in a Rebar with excellent bendability. The bar has got superior bendability which is made possible with a unique combination of tough outer core and soft inner core that has obvious advantages at construction sites. The Bars can make Bend and Re-bend easily without any Cracking and any other strength loss.

Corrosion Resistant

This is breakthrough innovation by SBF group to fight the corrosion problem in coastal construction. Some micro alloys are added in the steel making process which improves the corrosion resistance properties of SBF RAPID 550 D QST TMT Bars.

Better Weldability

SBF RAPID 550D QST TMT BARS come with less than 0.23% carbon equivalent which result in excellent weldability and makes it superior to ordinary Rebars.



**SBF RAPID TMT WITH THE COMMITMENT OF ULTIMATE
STRENGTH AND PROTECTION**

Ductility

Ductility is one of the most important physical properties of high strength TMT Rebar used for earthquake resistant construction. SBF RAPID 550D QST TMT has high manganese & low carbon Content due to which it has a rare combination of high strength and excellent ductility.

Superior In Fire Resistance

This AOAS technology in the SBF RAPID TMT has proved as a good shield against fire hazards in the construction activity.

Due to the AOAS Shield on the steel outer surface which can resist the temperature up to 650* C still retaining its strength.

Mazbooti is the real strength of the product which will help in withstanding the earthquakes to a Richter scale up to 6.

The above qualities of SBF Rapid TMT is making it an outstanding product in the market.

Cost Saving

SBF RAPID TMT Bars, having a higher strength of around 20% in 550 D are much stronger than other ordinary rebars available in the market. Due to which the steel consumption can be reduced and hence increase the floor space index, thus giving the user the benefit of extra space, due to user use of rebar and become pocket friend/cost effective of around 20-30%

GreenPro TMT

Designed to help reduce the environmental impact of construction, our GreenPro Certified Rebars are the first choice of builders who want to adopt sustainable construction practices. The GreenPro Ecolabel demonstrates your commitment to the environment.

At SBF ISPAT, we do not just manufacture steel; we contribute to sustainable development through our innovative, green products.



Grade	FE-500D	FE-550D	FE-600	FE-700
Yield Stress (N/mm ²)Min	500D	550D	600	700
Tensile Strength (N/mm ²)Min. Ratio	≥1.10 More Than Actual 0.2% Proof Stress / Yield Stress But Not Less Than 565 N/mm ²	≥1.08 More Than Actual 0.2% Proof Stress / Yield Stress But Not Less Than 600 N/mm ²	≥1.06 More Than Actual 0.2% Proof Stress / Yield Stress But Not Less Than 660 N/mm ²	≥1.04 More Than Actual 0.2% Proof Stress / Yield Stress But Not Less Than 760 N/mm ²
Elongation(%) Min.	16	15	10	10

SBF RAPID QST BARS
CHEMICAL PROPERTIES

Grade	FE-500D	FE-500D	FE-550D	FE-550D	FE-600	FE-600	FE-700	FE-700
(%) Max	BIS:1786	SBF RAPID	BIS:1786	SBF RAPID	BIS:1786	SBF RAPID	BIS:1786	SBF RAPID
Carbon	0.25	0.18-0.25	0.25	0.18-0.23	0.30	0.18-0.25	0.30	0.18-0.25
Sulphur	0.040	0.030-0.035	0.040	0.025-0.035	0.040	0.025-0.035	0.040	0.025-0.035
Phosphorus	0.040	0.028-0.035	0.040	0.025-0.035	0.040	0.025-0.035	0.040	0.025-0.035
S+P	0.075	0.062-0.070	0.075	0.060-0.070	0.075	0.060-0.070	0.075	0.060-0.070

SBF RAPID QST BARS
PRODUCT RANGE

Nominal Size (mm)	BIS Standards Weight Per Meter In KG	SBF RAPID Bar Weight Per Meter In KG	BIS Tolerance	SBF RAPID Tolerance
8	0.395	0.379-0.390	± 7%	±4%
10	0.617	0.592-0.600	± 7%	± 4%
12	0.888	0.861-0.880	±5%	±3%
16	1.580	1.532-1.560	±5%	±3%
20	2.470	2.420-2.450	± 3%	±2%
25	3.850	3.773-3.840	± 3%	±2%
28	4.830	4.735-4.800	±3%	±2%
32	6.310	6.184-6.300	± 3%	±2%
36	7.990	7.800-7.900	± 3%	±2%
40	9.860	9.663-9.860	± 3%	±2%

SBF RAPID TMT BARS- Rebar produced has a carbon equivalent (CE) limit of 0.39 max and, as such, requires no preheating prior to welding.

SBF RAPID CRS bars have a carbon equivalent limit of 0.44 max, however, will still not require preheating when welded in accordance with the revised Welding Standards.

Other manufacturers 500 MPa reinforcing steel may be made to higher CE limits and pre-heating may then be required in certain circumstances e.g. for tack & lap welding of larger bars.

CERTIFICATION

SBF group has the culture of maintaining the standards at the international level right from billet production to Rapid TMT Bars through hot charging process.

This is being proved again and again by the certification through the certificate as below : -

BIS

For any other communication
Address: Jaipur Branch Office (Pillar)
Raj Road, Opp. Bharat Overseas
Bank Limited C. Scheme,
Jaipur.
JANPUR, RAJASTHAN, 302001

Phone: 01412232282
Fax: 01412232281
E-Mail: jbs@bis.org.in
Web: www.bis.org.in
www.mssonline.in

BUREAU OF INDIAN STANDARDS
Attachment to Licence No. CML-340011009

CML-No	Name of the Licensee with the Factory Address	Name of the Product	Indian Standard No.
340011009	SBF ISPAT PRIVATE LIMITED - PLOT NO F-109-117 AND G-143-151, GENERAL ZONE INDUSTRIAL AREA, KAROLI, ALWAR, RAJASTHAN - 301707	Carbon steel cast billets, ingots, blooms and slabs for re-rolling into steel for general structural purposes.	IS 2530 : 2012 Specification

Endorsement No. 1 Dated 21-Jan-2022

Whereas, the licence was valid upto Tenth February Two Thousand Twenty Two. Now, consequent upon renewal, the validity of the licence given in schedule of has been extended from Tenth February Two Thousand Twenty Two to Ninth February Two Thousand Twenty Seven.

Other terms and conditions of licence remain same.

Branch Head (Jaipur Branch Office-II)

Manish Bhuvan, 9 Bahadur Shah Zafar Marg, New Delhi 110002, 9 Bahadur Shah Zafar Marg, DELHI-110002

Contact No: +91 11 23230131, 23230135, 23230400 Fax: +91 11 23234662, 232 Email: email@bis.gov.in

LICENCE

Form-4
(Prescribed under rule-6)
Government of Rajasthan

REGISTRATION & LICENCE TO WORK A FACTORY

Registration No.: RJ233666 Form No.: 1105000- per year
Application No.: R-73754CFB2024

License is hereby granted to M/S SBF ISPAT PRIVATE LIMITED valid only for the premises described below for use as factory employing not more than 750 persons on any day during the year and using motive power not exceeding 25565 KW subject to the provisions of the Factories Act 1946 and the rule made there under.

This license shall remain in force till the 31st day of March 2027

Date: 15/01/2024 Chief Inspector of Factories and Boilers Rajasthan, Jaipur

Description of the licensed premises
M/S SBF ISPAT PRIVATE LIMITED
The licensed premises shown on Plan No. P-46013CFB2020, Date 07/04/2023 are situated in PLOT NO F-109-117 G-143-151, GENERAL ZONE INDUSTRIAL AREA, KAROLI, KHUSHKHHERA, ALWAR AND, ALWAR and consist of BILLETS & TMT BAR.

Date of Renewal	Date of Expiry	Signature of Licensing Authority
15/01/2024	31/03/2027	Deputy Chief Inspector Factories and Boilers, Alwar

This is a computer generated certificate and hence requires signature. No physical signature is required on this license. You can verify the license by visiting the website www.rajasthan.gov.in and entering Application No. (2) after adding the link for factories and boilers inspection department, Rajasthan.

THERMEX

THERMEX QST LICENCE

This is to certify that
SBF Ispat Private Limited

has been granted Licence Rights to use the THERMEX QUENCHING SYSTEM and TECHNOLOGY of M/s HENNIGSDORFER STAHL ENGINEERING GmbH, GERMANY in its rolling mill at Plot No. F-109-117, & G-143-151, General Zone Industrial Area, Karoli, Khushkhhera, District - Alwar, Rajasthan, India to produce high strength Thermex Quenched & Self Tempered (QST) rebars having mechanical properties as per IS 1786 : 2008 (Fourth Revision) Amendment 3 of March 2017 Grades Fe 415, Fe 415D, Fe 500, Fe 500D, Fe 550 & Fe 550D in sizes 8 mm to 32mm.

This Licence is valid up to 30th September 2025.

for H&K ROLLING MILL ENGINEERS PVT. LTD.

Managing Director

(THERMEX is the registered trademark of H&K in India and of HSE Germany in other countries)

ISO

Recto CERTIFICATE

This is to certify that
SBF ISPAT PVT LIMITED
PLOT NO. F-109-117 & G-143-151, GENERAL ZONE INDUSTRIAL AREA, KAROLI, KHUSHKHHERA, DISTT. ALWAR, RAJASTHAN - 301707, INDIA

Has been assessed by RSF, and found to comply with the requirements of the management system standards detailed below:

ISO 9001:2015
Quality Management System

For the following activities:
Manufacturing of MS Billets and TMT Bars

Certificate Number: 1ASX000001010
Date of Registration: 20/01/2023 Review No. 01 of 01
Next Review Date: 20/01/2025
Superseded Certificate No.: 20/01/2022

Recto Solutions Private Limited
Web: www.rectosolutions.com | Phone: +91 011 4888 1011 | Email: info@rectosolutions.com
Address: 10/10, Sector 10, Connaught Place, New Delhi - 110028, India
This certificate remains the property of RSF, and shall remain valid only if the certificate holder complies with the requirements of the standard and the certificate holder.

ISO

Recto CERTIFICATE

This is to certify that
SBF ISPAT PVT LIMITED
PLOT NO. F-109-117 & G-143-151, GENERAL ZONE INDUSTRIAL AREA, KAROLI, KHUSHKHHERA, DISTT. ALWAR, RAJASTHAN - 301707, INDIA

Has been assessed by RSF, and found to comply with the requirements of the management system standards detailed below:

ISO 14001:2015
Environmental Management System

For the following activities:
Manufacturing of MS Billets and TMT Bars

Certificate Number: 1ASX000001010
Date of Registration: 20/01/2023 Review No. 01 of 01
Next Review Date: 20/01/2025
Superseded Certificate No.: 20/01/2022

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PLOT NO. F-109-117 & G-143-151, GENERAL ZONE INDUSTRIAL AREA, KAROLI, KHUSHKHHERA, DISTT. ALWAR, RAJASTHAN - 301707, INDIA

Has been assessed by RSF, and found to comply with the requirements of the management system standards detailed below:

ISO 45001:2018
Occupational Health & Safety Management System

For the following activities:
Manufacturing of MS Billets and TMT Bars

Certificate Number: 1ASX000001010
Date of Registration: 20/01/2023 Review No. 01 of 01
Next Review Date: 20/01/2025
Superseded Certificate No.: 20/01/2022

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Address: 10/10, Sector 10, Connaught Place, New Delhi - 110028, India
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GREEN PRO

CII-Green Products and Services Council hereby certifies that
SBF RAPID FE 550 D 32 mm
(GPSBF488053)

Manufactured by SBF ISPAT PVT. LTD., BHIWADI, Rajasthan meets the requirements of GreenPro Ecocolor and qualifies as Green Product.

This certification is valid till **December, 2026**

Jamshyd N Godrej
Chairman, CII-Godrej GBC

A R Unnikrishnan
Chairman, CII-Green Products & Services Council

K S Venkatagiri
Executive Director, CII-Godrej GBC

Supporting Council and Programmes

The real meaning of Reinforcement bars in the construction industry by above properties.

SBF RAPID TMT Bars are the best TMT bars for your Building, Projects, Flyovers & Sky High Buildings.

DOORSTEP AFTER SALES SERVICE

The way SBF Steel bonding with concrete is so strong, similarly SBF Group have the moral responsibility to bond with their each & every associates.

We have a dedicated Quality Checkup Van to do the quality check on site.

Our quality checkup Van has qualified people to prove our product has not deviated as per our controlled quality check before dispatch.

“

**Building A Strong Bond Between SBF Family,
Channel Partners and Customers.**



OUR CLIENTS



INDIA'S NO.1 (4 IN 1 QST BARS)

Only SBF makes
40 mm bars
in North India



SBF
RAPiD >>>®

SBF RAPID THERMEX 550D TMT
Strong.Build.Forever...

SBF ISPAT PRIVATE LIMITED

AN ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 COMPANY

+91-7014288818

customer@sbfrapid.com

www.sbfrapid.com

Plot no. G 143,151 & F 109-117, General Zone industrial area,
Karoli Bhiwadi, Alwar, Rajasthan, 30170

मजबूत निर्माण
सदा के लिए

SBF RAPID THERMEX 550D



Connect Us