



Winner of  
Ministry of  
Steel Award

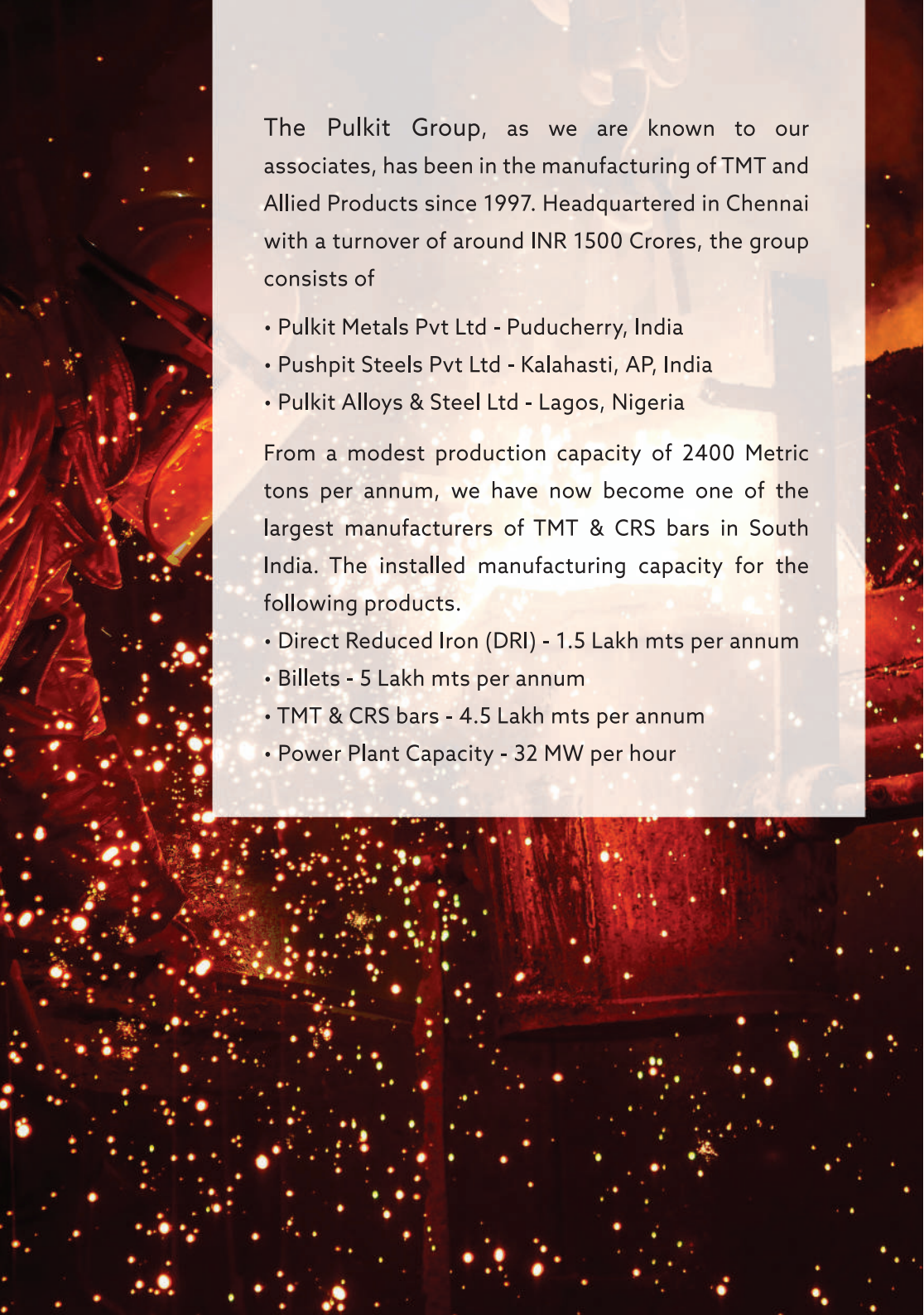


एक कदम स्वच्छता की ओर  
Swachh Bharat Award



**CREATING EVERLASTING RELATIONSHIP  
BETWEEN ARCHITECTURE AND THE FUTURE.**





The Pulkit Group, as we are known to our associates, has been in the manufacturing of TMT and Allied Products since 1997. Headquartered in Chennai with a turnover of around INR 1500 Crores, the group consists of

- Pulkit Metals Pvt Ltd - Puducherry, India
- Pushpit Steels Pvt Ltd - Kalahasti, AP, India
- Pulkit Alloys & Steel Ltd - Lagos, Nigeria

From a modest production capacity of 2400 Metric tons per annum, we have now become one of the largest manufacturers of TMT & CRS bars in South India. The installed manufacturing capacity for the following products.

- Direct Reduced Iron (DRI) - 1.5 Lakh mts per annum
- Billets - 5 Lakh mts per annum
- TMT & CRS bars - 4.5 Lakh mts per annum
- Power Plant Capacity - 32 MW per hour

# WHY PULKIT TMT ?



EXCELLENT BUNDLE PACKING WITH SEAL



ON-TIME DELIVERY OF BLUE STEEL



ZERO WASTAGE (WASTE HEAT RECOVERY)



INTEGRATED STEEL PLANT - POWER / SPONGE IRON / TMT / BILLETS



QST - QUENCHING & SELF TEMPERING PROCESS BY GERMAN TECHNOLOGY



VARIOUS GOVERNMENT DEPARTMENT APPROVALS & PROJECTS



GOOD MARKETING & SALES SUPPORT



IRON ORE TO TMT ALL IN HOUSE



PROVIDING CHEMICAL & PHYSICAL PASS MATERIALS FOR THE PAST 15 YEARS



PRESENCE IN 4 SOUTHERN STATES ( TAMIL NADU, KARNATAKA, KERALA & ANDRA PRADESH) WITH COVERED WAREHOUSE FOR IMMEDIATE DELIVERY



Lab, Kalahasti



Mega Meter, Kalahasti



Puducherry

# TECHNICAL SPECIFICATIONS

Description	TMT
Standards	IS 1786-2008
Grade	Fe-500 , Fe-500D Fe-550 , Fe-550D Corrosion Resistant Steel
Specifications	8mm to 40mm

Nominal Size mm	BIS Standards Weight per meter in Kgs	Tolerance	Pulkit TMT Bars Weight per meter in Kgs
8	0.395	±7%	0.370 - 0.390
10	0.617	±7%	0.575 - 0.600
12	0.888	±5%	0.845 - 0.880
16	1.58	±5%	1.515 - 1.560
20	2.47	±3%	2.400 - 2.450
25	3.85	±3%	3.740 - 3.840
28	4.83	±3%	4.700 - 4.800
32	6.31	±3%	6.150 - 6.300
36	7.99	±3%	7.800 - 7.900
40	9.86	±3%	9.600 - 9.800

PROPERTY	MECHANICAL PROPERTIES (Percentage minimum)							
	Fe-500		Fe-500D		Fe-550		Fe-550D	
	BIS	PULKIT	BIS	PULKIT	BIS	PULKIT	BIS	PULKIT
.2% Proof Stress /Yield Stress Min, N/Sqmm	500	530	500	530	550	570	550	550
Elongation, % Min on gauge Length 5.65 $\sqrt{a}$ -A is cross sectional Area	12	18	16	20	10	16	14.5	14.5



Sparkonix Embossing Machine, Puducherry



Sparkonix Rib Cutting Machine, Puducherry

Constituents	CHEMICAL COMPOSITION (Percentage MAX)							
	Fe-500		Fe-500D		Fe-550		Fe-550D	
	BIS	PULKIT	BIS	PULKIT	BIS	PULKIT	BIS	PULKIT
Carbon	0.30	0.25	0.25	0.20	0.30	0.25	0.25	0.20
Manganese	NS	0.60	NS	0.60	NS	0.70	NS	0.80
Sulphur	0.055	0.050	0.040	0.040	0.055	0.050	0.04	0.040
Phosphorus	0.055	0.050	0.040	0.040	0.050	0.050	0.04	0.040
Sulphur&Phosphorous	0.105	0.100	0.075	0.075	0.100	0.095	0.075	0.075



### The diameter of the mandrel shall be given as below: (For Rebend Test)

Nominal size of specimen	Diameter of Mandrel							
	Fe 415 and Fe 500		Fe 415D and Fe 500D		Fe 550 and Fe 500		Fe550D	
	BIS	PMPL	BIS	PMPL	BIS	PMPL	BIS	PMPL
Up to and including 10 mm	5 φ	4 φ	4 φ	4 φ	7 φ	5 φ	6 φ	5 φ
over 10 mm	7 φ	4 φ	6 φ	4 φ	8 φ	5 φ	7 φ	5 φ

Where "φ" is the nominal size of the test piece, in mm.

### Typical composition of Pulkit CRS TMT (max)

C	Mn	S	P	Si	CRE	CE
0.15%	1.0	0.04	0.1	0.45	0.8	0.32

# PULKIT TMT ADVANTAGE



Simple Bendability



Superior Ductility



Unrivaled Welding Strength



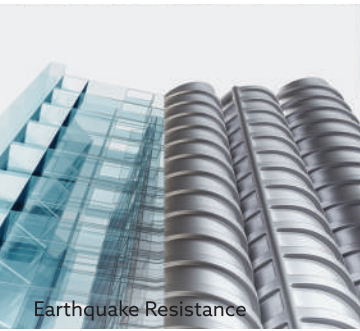
Made of Primary Steel



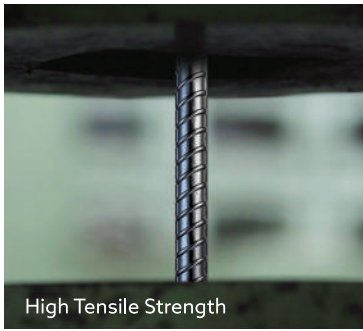
Intense Bonding



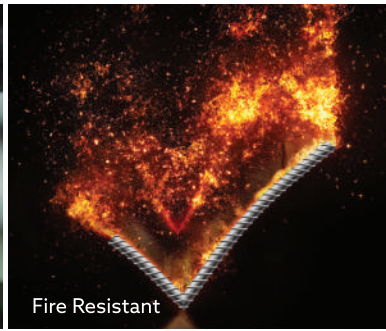
Integrated Steel Plant at Kalahasti



Earthquake Resistance



High Tensile Strength



Fire Resistant



Corrosion Resistance



Low Sulphur & Phosphorus



Extra Yield Strength

# PUDUCHERRY PLANT





Quenching & Self Tempering (QST), Puducherry



TMT bending, Puducherry



Bundling & Stock Warehouse, Puducherry



SPONGE IRON & POWER PLANT AT  
**KALAHASTI**





Billet Caster, Kalahasti



Spectrometer, Kalahasti



Sponge Iron, Kalahasti

# NIGERIA PLANT



Coil Mill



Stock Yard



TMT Stock Yard



Power Plant, Kalahasti

## REGISTERED OFFICE

163/1 K Sons Complex  
1st Floor Prakasam Salai  
Broadway Chennai 600 108  
P +91 44 44012345

## WORKS

### PUDUCHERRY

95/2-4 Eripakkam Village  
Netapakkam Commune  
Puducherry 605 106  
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### SRI KALAHASTHI

Pushpit Steels Private Limited  
303A/B Industrial Estate (EXPN)  
Merlapaka Village  
Yerpedu Mandal, Sri Kalahasthi  
Chittoor Dt.  
Andhra Pradesh 517 619

### NIGERIA

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ANDHRA PRADESH | KARNATAKA  
KERALA | PUDUCHERRY  
TAMIL NADU | TELANGANA | NIGERIA

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