PRODUCT BROCHURE

RASHTRIYA ISPAT NIGAM LIMITED

VISAKHAPATNAM STEEL PLANT

VISAKHAPATNAM

ANDHRA PRADESH, INDIA

www.vizagsteel.com

@RINLltd @RINL_VSP

Rashtriya Ispat Nigam Limited (RINL), the corporate entity of Visakhapatnam Steel Plant, is a Navratna Company under the Ministry of Steel, Govt. of India.

Visakhapatnam Steel Plant-popularly known as "Vizag Steel", is the first shore-based Integrated Steel Plant in India, One of the leading companies in "Long" steel products, it caters to the requirements of the Construction, Infrastructure, Manufacturing & Automobile sectors.

RINL-VSP is the first integrated steel plant to be certified for ISO 9001:2008, ISO 14001, ISO 50001, ISO 27001 & OHSAS 18001 standards.

RINL's products have wide acceptance in the market as they are made from 100% virgin steel, with stringent specifications in both physical & chemical properties, and it is the preferred steel maker for a wide array of customers. With more than 75% of value added products in its basket, RINL has a wide marketing network spread across the country.

Presenting 'Quality' steel

VIZAG STEEL


VIZAG TMT 500D
VIZAG UKKU
RASHTRIYA ISPAT NIGAM LIMITED
VIZAG STEEL
Pride of Steel

Special Features of
RINL Products

All Products are produced from Virgin Steel

Reinforcing Bars conforming to IS 1786-2008	Produced through Stelmor / Tempcore process. Combination of high strength & ductility, better toughness, excellent bond properties, unique Rib design, resistance to ageing
Fe 415, Fe 500, Fe 500 D, Fe 550	Excellent bendability, good weldability, high fatigue, resistance on dynamic loading
HSCRM D	Excellent bendability, good weldability, high fatigue, resistance on dynamic loading, superior corrosion resistant
Fe 500 S	Excellent bendability, good weldability, high fatigue, resistance on dynamic loading, Higher UTS/YS ratio, more uniform elogation
Wire Rod & Round	Amazing reduction ratio, excellent drawabiliity, close dimensional tolerance, better surface finish, uniform grain size
Structurals	Uniform dimensional tolerances, better surface finish. Parallel flange beam, light beam, junior beam has an added advantage over conventional beam because for the same weight, the section is stronger and stiffer due to greater moment of inertia & higher radius of gyration. Beams have better sectional properties, stronger & rigid, greater load bearing capacity, ease in assembling, saving in construction time. Axial forces & bending moments are taken care of. Light beam unit weight is less by 5-10 %

Blooms & Billets

All Products are produced from Virgin Steel

Section	Dimension (mm)	Source	Length (m)	Bundle Weight /t	Available Grades	Application
Blooms	320x250	SMS 1	6 to 7	Loose / specifc grade on order & availability	IS 2830 ,IS2830Cu, IS2831, SAE1008, SAE1010, SAE1015, SAE1016, SAE1018, SAE1018AL, SAE1023S, A105, SAE1029S, SAE1030, 27C15, 37C15, 35C8, EN15B, 1541, EN8, EN8D,En8DCr, EN9, CK45, CK45Cr, SAE1049, IS1875-CLASS IV, SAE1029S, SAE1541, SAE1524CR, 55Si7, 60Si7, 65Si7,SUP-9, SUP-10, SUP-11A, 40Cr4, 41Cr4, 31CrV3	Rerolling, Forging
	250x250	SMS 1	6 to 7			
	200x200	SMS 2	12			
	150x150	SMS 2	12			
Billets	125X125	LMMM	9.8 to 12.4			
	55X55	MMSM	12	9.0 to 9.5		
Round Cornered Squares Billets	65X65	MMSM	12	9.0 to 9.5		
	75X75	MMSM	12	9.0 to 9.5		
	90X90	MMSM	12	9.0 to 9.5		

Size (mm)	Nominal Weight (Kg/m)	Mill
5.5	0.186	WRM 1&2
6.0	0.222	WRM 1&2
6.5	0.260	WRM 1&2
7.0	0.302	WRM 1&2
7.5*	0.347	WRM 2
8.0	0.395	WRM 1&2
9.0*	0.499	WRM 2
10.0	0.617	WRM 1&2
11.0*	0.746	WRM 2
12.0	0.888	WRM 1&2
12.7	0.994	WRM 1
14.0	1.210	WRM 2
16.0	1.580	WRM 2
18.0	2.000	WRM 2
20.0	2.470	WRM 2

*Occasionally rolled

Wire Rod Coils

All Products are produced from Virgin Steel

Available Grades	Application
IS 7887 Gr 3 & 5-1992	Wire Drawing
ASTM A510M (1006, 1008, 1008 DQ. 1010, 1012)	
ASTM A510M (1010W)	Steel Wool, Steel Dust
IS2879: 1998	Arc Welding Electrode
CAQ	Cable Armouring
ASTM A510 M (1015,1018,1020)	Fasteners (Manufacture of Nuts, Bolts & Screws) Automobile Industry
35C8, En8D, CK45	High Tensile Fasteners
IS7904 HC 50 to HC 85 #	Wire Rope, Mesh, Needle Wires, Brush Wire, Agriculture Wire, Chain Rivets Wire, Umbrella Ribs, Piano Wires, ACSR Core Wire, Tyre Bead
IS7904 HCT 1130Cr	Pre-Stressed Concrete

 # Customized with 5 point carbon range

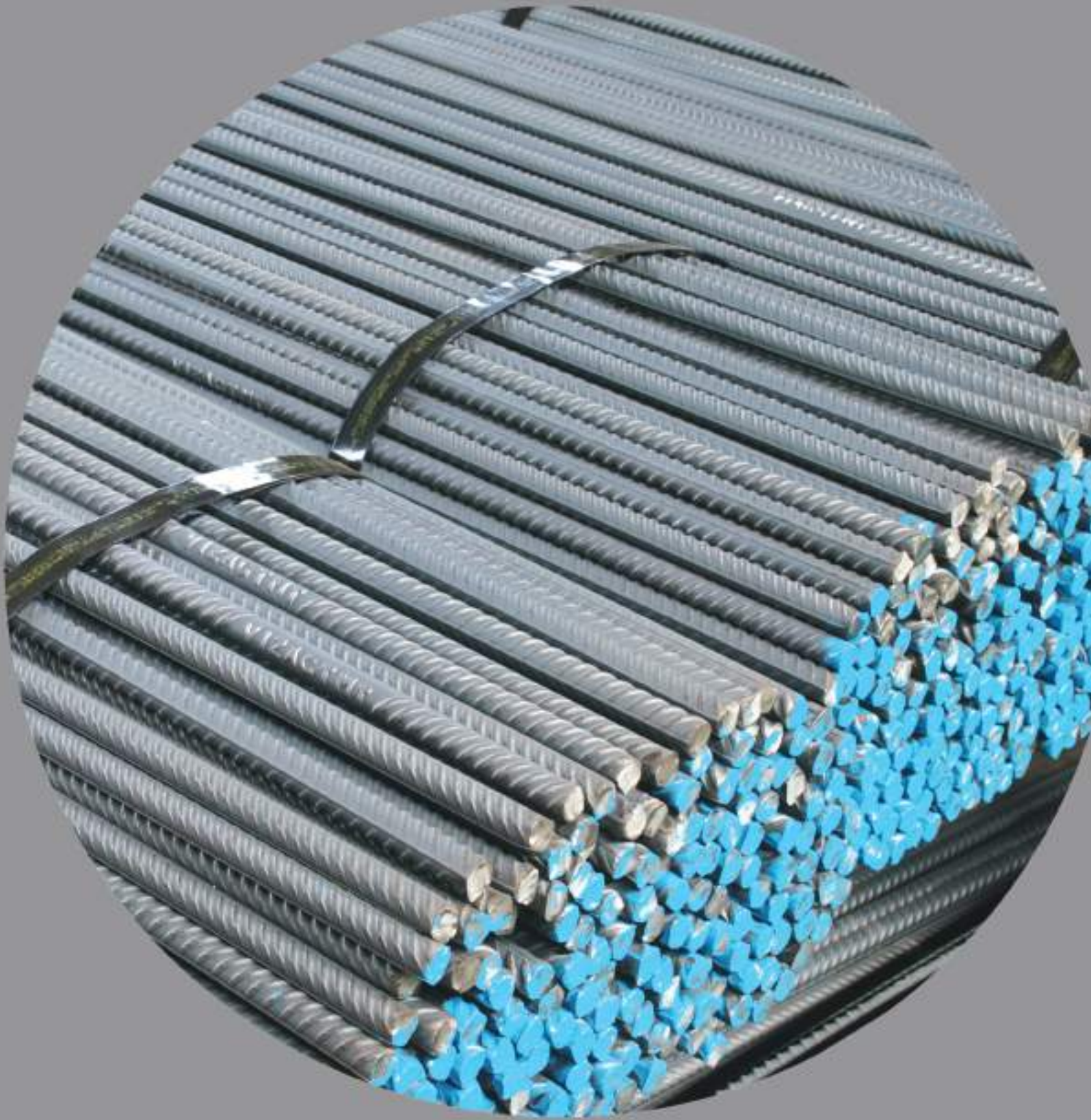
Packaging

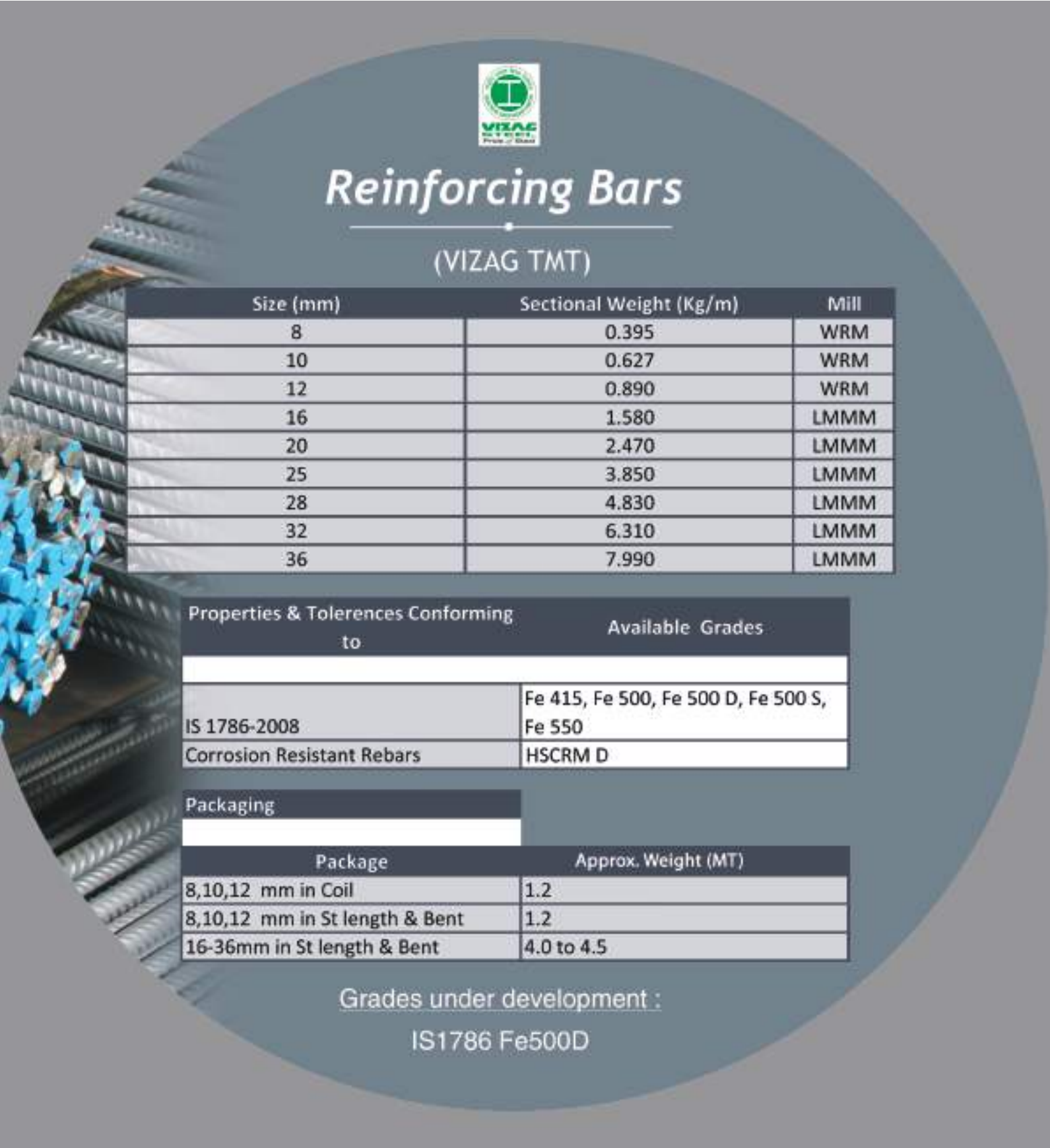
Package	Coil Weight (MT)
Coils with strapping & Wire tying with identification Tag	1.2 (WRM1) / 2.0 (WRM2)

Grades under Development

Grade	Application
CO2 Grade	Welding Electrodes
10B21 / 15B25	High Tensile Fasteners

WRM : Wire Rod Mill





Reinforcing Bars

(VIZAG TMT)

Size (mm)	Sectional Weight (Kg/m)	Mill
8	0.395	WRM
10	0.627	WRM
12	0.890	WRM
16	1.580	LMMM
20	2.470	LMMM
25	3.850	LMMM
28	4.830	LMMM
32	6.310	LMMM
36	7.990	LMMM

Properties & Tolerences Conforming to	Available Grades
IS 1786-2008	Fe 415, Fe 500, Fe 500 D, Fe 500 S, Fe 550
Corrosion Resistant Rebars	HSCRM D

Packaging	
Package	**Approx. Weight (MT)**
8,10,12 mm in Coil	1.2
8,10,12 mm in St length & Bent	1.2
16-36mm in St length & Bent	4.0 to 4.5

Grades under development :

IS1786 Fe500D

Rolling Tolerance conforming to : 1852: 1985

Packaging

Mill	Length (m)	
LMMM	12	4.0 to 4.5
MMSM	12	8.8 to 9.1
SBM	12	3.8 to 4.0
STM	12	4.5 to 5.0
SBM	Coil	2.0 to 2.27

Plain Rounds

Size (mm)	Nominal Weight (Kg/m)	Mill
16 *	1.58	SBM
18 *	2.00	SBM
20 *	2.47	SBM
20.64 *$	2.63	SBM
22 *	2.98	SBM
23*$	3.26	SBM
25 *	3.85	SBM
28 *	4.83	SBM
30 *	5.55	SBM
32 *	6.31	SBM
33.5 *	6.92	SBM
36 *	7.99	SBM
40 #	9.85	SBM
42 #	10.88	SBM
45 #	12.50	SBM, STM
46.5 #	13.33	STM
48 #	14.21	STM
50 #	15.40	STM
52	16.67	STM
53 #	17.32	STM
55	18.65	STM
56 #	19.30	STM
58	20.73	STM
60 #	22.20	STM
63 #	24.50	STM
65	26.00	STM
68	28.50	STM
71	31.09	MMSM
75	34.70	MMSM
77	36.57	MMSM
80	39.47	MMSM
85	44.54	MMSM
90	49.93	MMSM

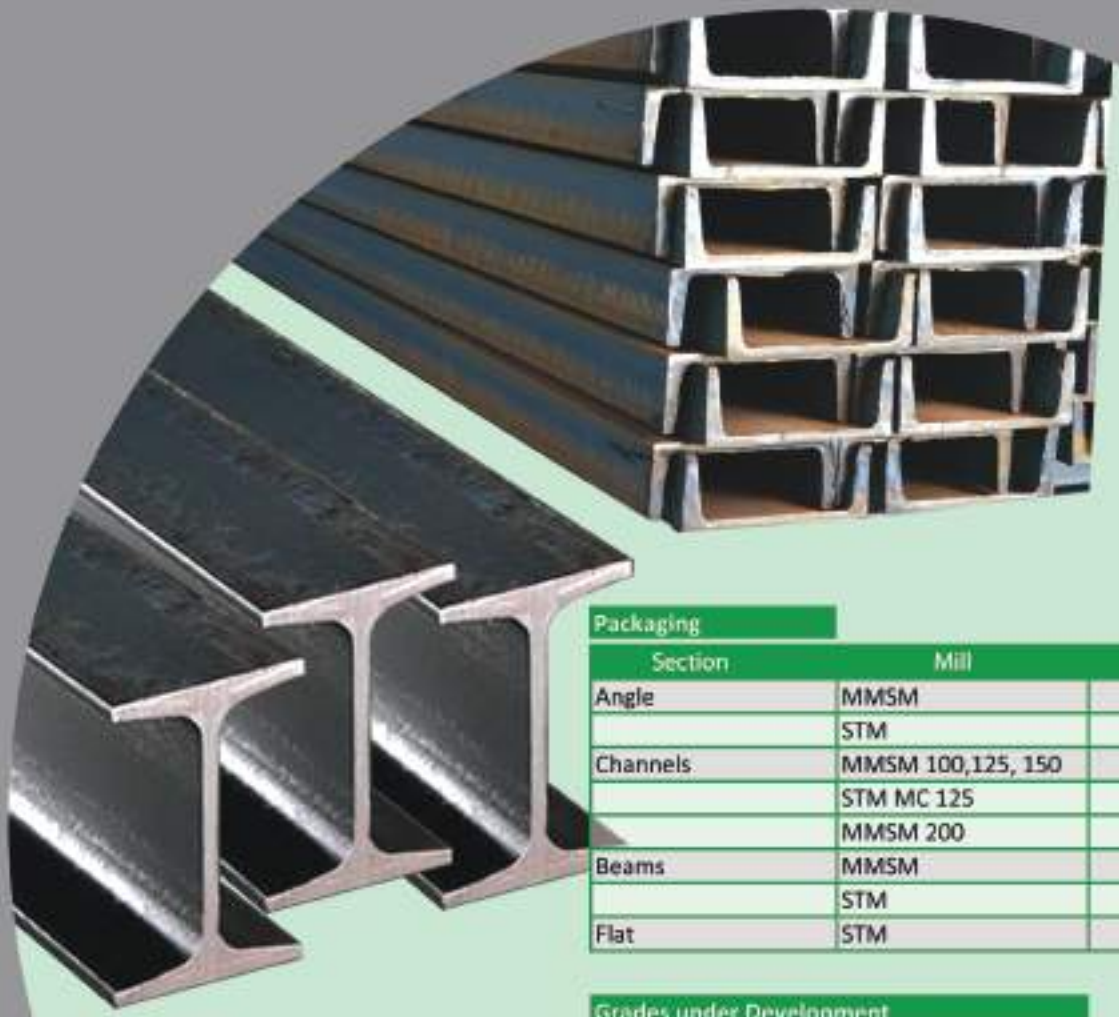
*can be rolled in LMMM also
# can be rolled in MMSM also
$ exclusively rolled in spring steel grade only
Plain Rounds from SBM available both in Straight Length & Coil form

Available Grades	Application
SAE 1008,1010,1015, 1018, 1020, 1030, 1049	Bright Bar, Forging
IS 1875 Class IV	
EN8, EN8D, EN8D Cr, EN8DS, CK45, CK45Cr, EN9	
A105, 27C15 , 37C 15, SA15245	
IBR 1008-1020	Seemless Tube, Pipe
55 Si7, 60Si7, 65Si7,SUP-9, SUP-10, SUP-11	Spring Steel
16MnCr5, 20MnCr5, 40Cr4, 41Cr4	Case Hardening

LMMM: Light & Medium Merchant Mill	
MMSM: Medium Merchant Structural Mill	
SBM : Special Bar Mill	
STM : Structural Mill	

Upcoming Sizes

Size	Nominal Weight (Kg/m)	Mill
24	3.55	SBM



Packaging

Section	Mill	Length (m)	Bundle Weight (MT)
Angle	MMSM	12	8.0 to 9.0
	STM	12	6.5 to 7.5
Channels	MMSM 100,125, 150	12	8.8 to 9.2
	STM MC 125	12	6.5 to 7.5
	MMSM 200	12	6.4 to 7.0
Beams	MMSM	12	6.4 to 7.0
	STM	12	6.4 to 7.0
Flat	STM	12	4.5 to 6.5

Grades under Development

Grade	
IS 15962 - 2012	Seismic Resistant Structural Steel

Section	Properties & Tolerences Conforming to	Available Grades
Angles	IS 1852-1985	IS 2062-2011
Channel	IS 1852-1985	IS 2062-2011
Beam	IS 1852-1985	IS 2062-2011
Flat	IS 1852-1985	IS 2062-2011

Structurals (VIZAG UKKU)

Section	Dimension (mm)	Sectional Weight (Kg/m)	Mill
Equal Angles	75X75X6*	6.8	MMSM
	75X75X8*	8.9	MMSM
	75X75X10	11	STM
	90X90X6*	8.2	MMSM
	90X90X8*	10.8	MMSM
	90X90X10	13.4	STM
	90X90X12	15.8	STM
	100X100X8*	12.1	MMSM
	100X100X10*	14.9	MMSM
	100X100X12	17.7	STM
	110X110X8	13.4	MMSM
	110X110X10	16.6	MMSM
Channels	MC 100X50X5	9.56	MMSM
	MC 125X65X5.3	13.1	MMSM
	MC 150X75X5.7	16.8	MMSM
	MC 200X75X6.2	22.3	MMSM
	LC 125X65X4.4	10.7	STM
Flats	100X15	11.8	STM
	80X16	10.0	STM
Beams	MB 125X70X5*	13.3	MMSM
	MB 150X75X5	15.0	MMSM
	MB 175X85X5.8	19.6	MMSM
	LB 150x80x4.8	14.2	STM

*can be rolled in STM also

Upcoming Sizes

Section	Dimension (mm)	Mill
Beams	LB 100x50x4	STM
	MB 100x50x4.7	STM
	LB 125x75x4.4	STM
	JB 150x50x3	STM
Flats	120X20	STM
	80X12	STM
	80X15	STM
	80X20	STM
	90X12	STM
	90X15	STM
	90X20	STM
	100X12	STM
	100X15	STM
	100X20	STM

Pig Iron

Pig Iron Basic Grade

Chemical Composition %*	C	Mn	Si	P	S
	3.5 to 4.8	0.5 max	1.5 max	0.18 max	0.060 max

* Average value of the lot

Lot details

Pigs are of two notches up to 45 kg in weight
Dust, Dirt and moisture exceeding 0.5% deductable from draft survey weight
Chips/Broken pieces <25mm not exceeding 5%

By Products

BENZENE	Gr A	Gr B
Relative density at 15.6°C	0.879 - 0.886	0.879 - 0.886
* Total Sulphur, ppm	5.0 max	100 max
* Crystallization point °C min	5.3	-
* Non-aromatics, ppm	500 max	-
Purity (GLC method) %	99.93 min	99.0 min
Thiophene Content	10.0	-

TOLUENE		Nitration Grade	Industrial Grade
Specific Gravity at 15° C		0.870 to 0.874	0.860 to 0.875
Distillation range	upto 105° C ml	-	5.0
	upto 120° C ml	-	90.0
Distillation range (1 to 96% incl 110.6°)		0.6	-
Residue on evoporation	mg/100ml	5.00	10.00
H2 S & mercaptans		-ve	-ve
Purity (by GLC method) %		99.2 min	92.0 min

COAL TAR WASH OIL		
Specific Gravity at 38° C		1.04 to 1.08
Moisture %		4.00 max
* Distillation	upto 230° C %	10.0 max
	230 - 300° C %	85.0 max
	above 300° C %	5.0 max
Naphthalene %		15 max

ANTHRACENE OIL	
Specific Gravity at 20°C	1.12 max
Moisture %	3.00 max
* Distillation up to 300° C	20.00 max

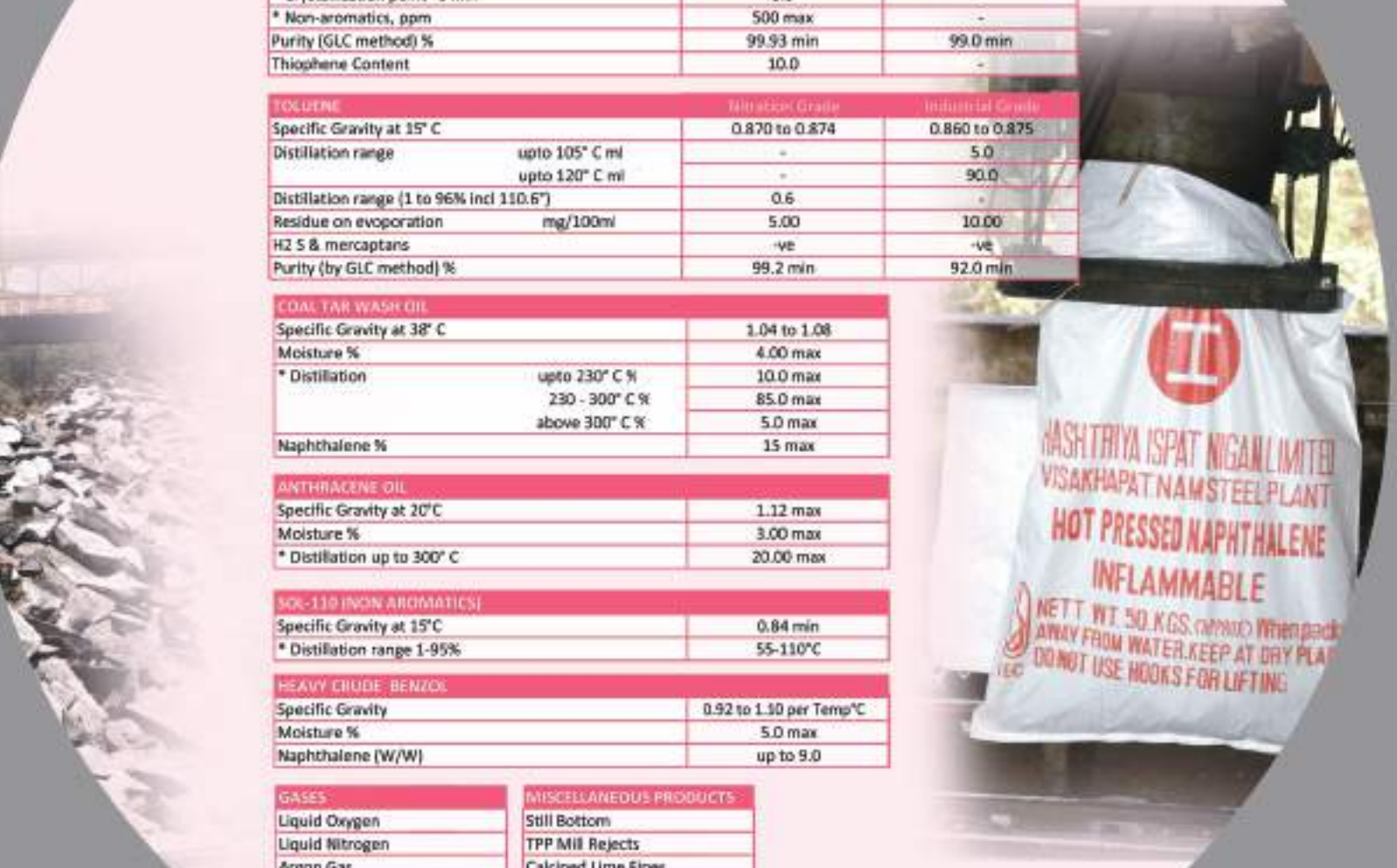
SOL-110 (NON AROMATICS)	
Specific Gravity at 15°C	0.84 min
* Distillation range 1-95%	55-110°C

HEAVY CRUDE BENZOL	
Specific Gravity	0.92 to 1.10 per Temp°C
Moisture %	5.0 max
Naphthalene (W/W)	up to 9.0

GASES
Liquid Oxygen
Liquid Nitrogen
Argon Gas
Liquid Argon

MISCELLANEOUS PRODUCTS
Still Bottom
TPP Mill Rejects
Calcined Lime Fines
Calcium Carbide Sludge

(* These parameters will be included in the Test Certificate on specific agreement)



COKE FRACTIONS	
BF Coke	25-80mm
Nut Coke	10-25mm
Coke Breeze	-10mm
Coke Dust	-3mm

MEDIUM HARD PITCH					
	Softening Point (R&B) °C	Coking Value (Conradson)%	Toluene Insoluble %	Quinolene insoluble %	Ash Content %
Grade 1	90 - 105	48 min	25 min	12 max	0.3 max
Grade 2	106 - 115	51 min	28 min	12 max	0.5 max

AMMONIUM SULPHATE	
Nitrogen by Weight %	20.6 min
Moisture by Weight %	1.00 max
Free acidity %	0.04 max

CRUDE COAL TAR	
Specifc gravity at 20 °C	1.16 - 1.20
Moisture % Max	6.00
* Viscosity (E deg) at 93 °C	1.70 - 5.00
* Residue on distillation (above 360 °C) %	53 min
* Toluene Insoluble %	14 max
* Quinolene insoluble %	8 max

COAL TAR FUEL / PITCH CREOSOTE MIXTURE (PCM)	
Specifc gravity	1.15 - 1.27
* Moisture %	4.00 max
Viscosity (E deg) at 93 °C	2.0 - 3.5

LIGHT SOLVENT OIL (LSO)		
Specific Gravity at 15° C		0.850 min
* Distillation range	upto 125°C m	5 max
	upto 170°C m	90 min
* Residue on evaporation	mg/100 ml	10 max
* H2S & mercaptans		-ve

HOT PRESSED NAPTHALENE	
Colour	White or Light Brown
Crystallisation point	78.5 °C (min)
* Ash by weight	0.20 max
* Toluene Insoluble %	0.20 max
* Moisture %	0.50 max

DRAINED NAPHTHALENE OIL	
Specific Gravity	1.02 max
Moisture %	4.0 max
Naphthalene %	39 min

PHENOL FRACTIONS	
Specific Gravity at 20° C	0.99 to 1.02
Phenol %	15 to 30
Naphthalene %	30 max
Moisture %	4.0 max

B.F. SLAG	
Specification	CaO : 33-40% , SiO_2 : 32-38%, Al_2O_3 : 14-20%
	MgO : 7 to 10 %, MnO : 1% max, FeO : 5.0% max

Chemical Composition of Grades

	Elements (%)						
Grade	C	Mn	P(max)	S(max)	Si	Cr	Others
IS2879	0.08 max	0.40-0.60	0.025	0.025	0.03 max	0.05 max	Al 0.012min
CAQ	0.07 max	0.50 max	0.035	0.035	0.050 max	0.05 max	
SAE1006	0.06 max	0.25-0.40	0.035	0.035	0.30 max	0.05 max	Al .020 min
SAE1006DQ	0.07 Max	0.30-0.45	0.040	0.040	0.20 max	0.05max	Al=0.019max
SAE1008	0.08 max	0.30-0.45	0.040	0.040	0.20 max	0.05 max	Al=0.020 min
SAE1008BR	0.10 max	0.30-0.50	0.035	0.035	0.25 max	0.05 max	Al 0.020 min
SAE1010	0.08-0.13	0.30-0.50	0.040	0.040	0.20 max	0.05 max	Al=0.020 min
SAE1010W	0.08-0.12	0.75-0.90	0.040	0.040	0.30 max	0.05 max	Al=0.020-0.050
SAE1010BR	0.08-0.13	0.30-0.60	0.035	0.035	0.20 max	0.05 max	Al 0.020 min
IS7887	0.13 max	0.30-0.60	0.050	0.050	0.35 max	0.05 max	#
CHQ1010	0.08-0.13	0.30-0.60	0.030	0.035	0.10 max	0.05 max	Al=0.020-0.050
CHQ1018	0.15-0.20	0.60-0.90	0.030	0.035	0.10 max	0.05 max	Al=0.020-0.050
SAE1012S	0.10-0.15	0.50-0.80	0.035	0.035	0.20 max	0.05 max	Al=0.020 min
SAE1015	0.13-0.17	0.30-0.60	0.040	0.040	0.30 max	0.05 max	Al=0.020 min
1015BR	0.13-0.17	0.30-0.60	0.035	0.035	0.30 max	0.05 max	Al=0.020 min
SAE1015S	0.13-0.18	0.50-0.80	0.030	0.030	0.15-0.35	0.05 max	Al=0.020min
SAE1016	0.13-0.18	0.60-0.90	0.040	0.040	0.15-0.35	0.05 max	Al=0.020 min
SAE1018	0.15-0.20	0.60-0.90	0.040	0.040	0.30 max	0.05 max	Al=0.010 min
SAE1018Al	0.15-0.20	0.60-0.90	0.040	0.040	0.30 max	0.05 max	Al=0.020 min
SAE1018BR	0.15-0.20	0.60-0.90	0.035	0.035	0.30 max	0.05 max	Al=0.020 min
SAE1019BR	0.15-0.20	0.90-1.10	0.035	0.035	0.15-0.35	0.05 max	Al=0.020 min
SAE1020	0.18-0.22	0.30-0.60	0.040	0.040	0.35 max	0.05 max	Al=0.020 min
SAE1020BR	0.18-0.22	0.30-0.60	0.035	0.035	0.35 max	0.05 max	Al=0.020 min
IS2830	0.13-0.22	0.40-1.50	0.045	0.045	0.40 max	0.05 max	
IS2830M	0.13-0.22	0.40-1.50	0.050	0.050	0.40 max	0.05 max	
IS2830Cu	0.12-0.23	0.30-1.50	0.045	0.045	0.40 max		Cu 20-0.35,CE 0.41max
C18HMN *	0.15-0.20	1.10-1.40	0.040	0.040	0.15-0.35	0.08 max	Al.015 min ,V.030- 08,CE 0.45 Max
C18HMN #	0.15-0.20	1.10-1.40	0.040	0.040	0.15-0.35	0.08 max	Al.040 max ,V.030- 08,CE 0.45 Max
SAE1524S	0.16-0.21	1.35-1.65	0.040	0.040	0.15-0.35	0.05 max	Al=0.020-0.050
C20MMn	0.17-0.22	0.65-1.00	0.045	0.045	0.15-0.35	0.05 max	Al 0.040 max, CE 0.28-0.42
C20MMnB	0.17-0.23	0.60-1.00	0.045	0.045	0.15-0.35	0.05 max	*Al-0.015 Min, #Al-0.040 Max
C20MMnC	0.17-0.23	0.60-1.00	0.040	0.040	0.15-0.35	0.05 max	Al=0.040 max
C20HMnB	0.17-0.22	1.20-1.50	0.045	0.045	0.15-0.30	0.05 max	Al=0.010Min, Ti=0.028-0.050, Ni=0.03Max, Mo=0.005 Max, B=0.004 Max, Cu=0.030Max
SAE1022S	0.20-0.25	0.80-1.10	0.040	0.040	0.15-0.35	0.05 max	Al=0.020-0.050
A105	0.18-0.23	0.90-1.20	0.035	0.035	0.15-0.35	0.05 max	Al=0.020-0.050
27C15	0.25-0.30	1.40-1.70	0.035	0.035	0.15-0.35	0.05 max	Al=0.020-0.050
SAE1026S	0.23-0.28	0.70-0.90	0.040	0.040	0.15-0.35	0.05 max	Al=0.020-0.050
SAE1030	0.28-0.34	0.60-0.90	0.030	0.030	0.15-0.35	0.05 max	Al=0.020-0.05
37C15	0.32-0.42	1.40-1.70	0.035	0.035	0.15-0.35	0.05 max	Al=0.020-0.050
35C8	0.33-0.38	0.60-0.90	0.040	0.035	0.15-0.35	0.05 max	Al=0.020 min
En15B	0.35-0.40	1.10-1.30	0.040	0.035	0.05-0.35	0.05 max	Al=0.020-0.050
SAE1541	0.36-0.44	1.35-1.65	0.040	0.035	0.15-0.35	0.05 max	Al=0.020-0.050
SAE1541S	0.40-0.44	1.35-1.65	0.040	0.035	0.15-0.35	0.05 Max	Al=0.020-0.050
En8	0.39-0.45	0.60-1.00	0.040	0.040	0.05 - 0.35	0.05 max	Al=0.015 min
En8D	0.41-0.45	0.70-0.90	0.040	0.040	0.05-0.35	0.05 max	Al=0.020-0.050
En8DCR	0.40-0.45	0.70-0.90	0.040	0.040	0.10-0.35	0.15-0.25	Al=0.020-0.050
EN8DS	0.40-0.45	0.70-0.90	0.045	0.045	0.15-0.35	0.05 max	AL=0.010min
Class IV	0.40-0.50	0.60-0.90	0.040	0.040	0.15-0.35	0.30 max	Al=0.010 to 0.060 min

Chemical Composition of Grades

	Elements (%)						
Grade	C	Mn	P(max)	S(max)	Si	Cr	Others
CK45	0.43-0.48	0.60-0.80	0.035	0.035	0.15-0.35	0.05 max	Al=0.020-0.050
CK45Cr	0.44-0.48	0.70-0.90	0.040	0.040	0.15-0.35	0.15-0.25	Al=0.020-0.050
SAE1049	0.47-0.51	0.60-0.90	0.040	0.040	0.15-0.35	0.05 max	Al=0.020-0.050
En9	0.50-0.60	0.60-0.80	0.040	0.040	0.05-0.35	0.05 max	Al=0.015 min
C70	0.65-0.75	0.60-0.90	0.040	0.040	0.15-0.35	0.05 max	
16MnCr5	0.14-0.19	1.00-1.30	0.035	0.035	0.15-0.35	0.80-1.10	Al=0.020-0.050
SUP9	0.52-0.60	0.65-0.95	0.035	0.035	0.15-0.35	0.65-0.95	Al=0.020-0.050
SUP11A	0.56-0.64	0.70-1.00	0.035	0.035	0.15-0.35	0.70-1.00	Al:0.020-0.050;B=0.0005-0.003
SUP10	0.50-0.55	0.65-0.95	0.035	0.035	0.15-0.35	0.80-1.10	V=0.10-0.20;Al:0.020-0.050
41Cr4	0.38-0.44	0.60-0.90	0.035	0.030	0.15-0.35	1.00-1.20	Al=0.020-0.050
40Cr4	0.35-0.37	0.60-0.90	0.035	0.030	0.15-0.35	0.80-1.20	Al=0.020-0.050
20MnCr5	0.17-0.22	1.10-1.40	0.035	0.035	0.15-0.35	1.00-1.30	Al=0.020-0.050
SAE1524Cr	0.23-0.28	1.35-1.65	0.040	0.040	0.15-0.35	0.20-0.30	Al=0.020-0.050
IS7904 HC70/HCTBQ	0.68 - 0.72	0.50-0.80	0.035	0.035	0.35 max	0.05 max	
IS7904 HCT1130Cr/PC115	0.76-0.80	0.60-0.80	0.035	0.035	0.15-0.30	0.06-0.13	
IS7904 HC82	0.81-0.85	0.55-0.80	0.035	0.035	0.15-0.30	0.09 max	
IS7904 HC78	0.76-0.80	0.55-0.80	0.035	0.035	0.15-0.30	0.09 max	
IS7904 HC72Cr	0.71-0.75	0.60-0.80	0.035	0.035	0.15-0.30	0.06-0.20	
IS7904 HC72	0.71-0.75	0.55-0.80	0.035	0.035	0.15-0.30	0.09 max	
IS7904 HC68	0.66-0.70	0.55-0.80	0.035	0.035	0.15-0.30	0.05 max	
IS7904 HC62	0.61-0.65	0.55-0.80	0.035	0.035	0.15-0.30	0.05 max	
IS7904 HC58	0.56-0.60	0.55-0.80	0.035	0.035	0.15-0.30	0.05 max	
IS7904 HC52	0.51-0.55	0.55-0.80	0.035	0.035	0.15-0.30	0.05max	
SWRH 62A	0.60-0.65	0.40-0.55	0.030	0.030	0.15-0.35	0.05 Max	
55Si7	0.50-0.60	0.80-1.00	0.030	0.030	1.50-2.00	0.05 max	
60Si7	0.55-0.65	0.80-1.00	0.040	0.040	1.50-2.00	0.05 max	
65Si7	0.60-0.70	0.80-1.00	0.040	0.040	1.50-2.00	0.05 max	

*SMS-1
#SMS-2

GRADES UNDER DEVELOPMENT							
10B21	0.18-0.23	0.80-1.20	0.030	0.030	0.05-0.15	0.20 max	Al=0.020-0.040,B=0.0005-0.003
15B25	0.23-0.28	0.80-1.30	0.030	0.030	0.05-0.15	0.20 max	Al=0.020-0.040,B=0.0005-0.003
15B41	0.36-0.41	1.35-1.65	0.030	0.030	0.35 max	0.20 max	Al=0.020-0.040,B=0.0005-0.003
CO2	0.06-0.08	1.40 - 1.55	0.025	0.025	0.80-0.95	0.05 max	

CONTACT DETAILS

REGION/BRANCH	STD	TEL(OFF)	E-MAIL
REGIONAL OFFICES			
RM (NORTH)	011	29565525	ronorth@vizagsteel.com
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RM (EAST)	033	22820049	roeast@vizagsteel.com
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RM (By Products)	0891	2518030	mktgbp@vizagsteel.com
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		NORTHERN REGION	
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		EASTERN REGION	
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NEW DELHI - 110 017

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CHANDIGARH - 160 018

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JAIPUR - 302 001

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LUDHIANA - 141 001

WESTERN REGION

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Mehadia Chawk, Dhantoli
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KOLKATA -700 020

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BHUBANESWAR - 751 022

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ANDHRA REGION

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VISAKHAPATNAM - 530 031

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VIJAYAWADA - 520 008

Sr. Branch Manager, BSO
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HYDERABAD - 500 028


Marketing Network
Plant
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Branch Offices - 25
CSAs - 03
IMO - 01
Chandigarh
Dehradun
Delhi
NORTH
Ghaziabad
Faridabad
Agra
Jaipur
Kanpur
Varanasi
Patna
Gowahati
Ahmedabad
Bhopal
Ranchi
Kolkata
Indore
Jabalpur
EAST
Nagpur
Bhubaneswar
Mumbai
Pune
Visakhapatnam
ANDHRA
Hyderabad
Panaji
Vijayawada
Bengaluru
Chennai
SOUTH
Coimbatore
Kochi
IMO Colombo
As of 10-10-2018