

Prices of Castings, Foundry Raw and Auxiliary Materials in Some Regions of China

(Time range: Nov. 2004-Mar. 2005)

Prices of foundry materials for investment casting in Shenyang region in 2003-2004

Name	Price (RMB yuan /t)	Range of price rise (%)
Urea	1 350-1 900	40.74
Zircon flour	6 700-9 700	44.78
Gangue flour (sand)	360-440	22.72
Fuel oil	3 500-4 300	22.86
Ferrochromium	9 800-13 100	33.67
Stainless steel scrap	8 900-13 900	56.18
Coal	220-295	34.09
Nickel plate	110 000-165 000	50
Aluminum ingot	15 100-17 300	14.57
Ferromolybdenum	64 000-305 000	376.56

*The information is provided by Shoushan SUN, Shenyang Sidanli Co. Ltd.

Prices of foundry materials and castings of Beipiao city, Liaoning in the end of Dec. 2004

Name	Price (RMB yuan /t)	Name	Price (RMB yuan /t)
<i>1. Foundry materials</i>		<i>2. Castings</i>	
Mechanical iron	2 100-2 200	High-manganese castings for	
Scrap steel	2 300-2 400	Cement and building material	6 200-7 000
High-carbon Ferromanganese (75%)	9 000-9 200	Mine and metallurgy	8 000-9 000
Ferromolybdenum (60%)	325 000-330 000	Carbon steel castings	5 800-6 500
Water glass	600	Medium-carbon alloy steel castings	8 500-9 000
Pig iron	2 300-2 500	High-carbon medium-chromium	
Scrap manganese steel	3 300-3 400	steel castings	10 000-11 000
Ferrosilicon	7 000-7 200	Grey iron castings	4 000-5 000
High-carbon ferrochromium	8 000-8 200	Ductile iron castings (pipe)	7 000-8 000
α-starch	5 000		

* The information is provided by Zhongbao LI, Multielement Alloy Foundry Co. Ltd

Prices of foundry materials and castings of Hangzhou region in early Dec. 2004 (including tax)

Name	Price (RMB yuan /t)	Name	Price (RMB yuan /t)
<i>1. Foundry materials</i>		Mould sand	1 480
Ferrosilicon 75#	6 800	Red sand	230
RE magnesium alloy	8 500	Metallurgical coke	1 750
Pig iron for ductile iron	2 850	<i>2. Castings</i>	
Common pig iron	2 750	Ordinary castings HT200	4 500
Ferromanganese (silicon-manganese)	7 500	Ordinary castings HT250	5 000-5 500
Bentonite	230	Ductile iron castings	5 800-6 200
Scrap steel	2 600		

* The information is provided by Zhengqiang LU, Jiande Qiangsheng Foundry Co.Ltd

Foundry materials prices of part regions of China in early Dec. 2004

Name	Production Place	Price (RMB yuan /t)	Name	Production Place	Price (RMB yuan /t)
Q10 pig iron	Hebei	2 750	Coal dust	Baotou	1 200
Common pig iron	Shanxi	2 600	Bentonite	Liaoning	890
Special grade scrap steel	Beijing	2 700	Water-base coating	Beijing	4 800
Common scrap steel	Beijing	2 450	Alcohol-base coating	Beijing	5 200
Recarburizer	Hebei	3 300	Metal mold coating	Beijing	4 800
Ferrous sulfide	Changzhou	9 600	Furan resin	Beijing	11 000
Deslagging agent	Beijing	1 160	Binder	Beijing	3 900
Ferrosilicon	Qinghai	8 500	Stripping agent	Guangdong	29 000
Ferromanganese	Tianjin	7 300	Filter screen	Guangdong	0.1 yuan/cm ²
Nickel plate	Jinchuan	160 000	Patching pasty	Beijing	8 600
Ferromolybdenum	Beijing	260 000	Plastic material for cupola	Beijing	11 500
Tin ingot	Beijing	96 000	Spray-patching materials for cupola	Beijing	3 900
Copper wire	Beijing	55 000	Rammed materials for cupola	Beijing	3 900
Ferro phosphor	Beijing	6 800	Pouring materials for ladle	Beijing	3 700
Sr-series inoculants	Jilin	19 000	Coke powder	Beijing	1 200
Ba-series inoculants	Xi'an	11 000	Clay-bonded sand	Beijing	0.55 yuan/block
Si-series inoculants	Qinghai	89 000	Wood	Beijing	600
Ferrosilicon magnesium alloy	Beijing	96 000	Clay	Beijing	120
Coke	Shanxi	1 750	Amorphous graphite	Henan	380
Limestone	Beijing	150	Crystalline graphite	Henan	1 400
Scrubbed sand	Hebei	460			

*The information is supplied by Xuefang GENG, Lishile (Beijing) Hydraulic Co. Ltd

Castings prices of Tangshan region, Hebei in early Dec. 2004 (including tax)

Name	Price (RMB yuan /t)	Remarks
1. Carbon steel and alloy steel		
ZG35, ZG45 (Carbon steel)	4 600-4 800	Ordinary castings
ZGMn13	5 200-5 800	Teeth plate, liner and impact board
ZGMn17-19 (super-high manganese steel)	14 000-16 000	Large scale crusher (more than 120kg)
ZG40Cr	5 600-6 200	Large hammer etc.
ZG42Cr2MnSiMoRE	6 600-7 200	Liner for large ball mill and cement mill
ZGCr13 (high-chromium liner)	9 000-11 000	
2. Grey iron and high-chromium alloy casting iron		
HT 200-400	3 800-4 200	Ordinary castings
KmTBCr26	12 000-14 000	Impurity pump and impeller for washed coal
Ductile iron	4 800-5 200	Liner for cyclone separator etc.

*The information is supplied by An LI, Yongkang Chengan Machine Works

Prices of foundry materials and castings of Yongkang, Zhejiang in Dec. 2004 (not including tax)

Name	Price (RMB yuan /t)	Name	Price (RMB yuan /t)
<i>1. Foundry materials</i>		6# silica flour	130
Sundry brass	17 500	Thermal insulation sand	290
Scrap aluminum	14 000	<i>2. Castings</i>	
Non-standard pig iron	2 150	Brass castings	20 000-23 000
14# pig iron	2 200	Aluminum castings	19 000-22 000
18# pig iron	2 350	Non-standard iron castings	3 200-3 500
10-12# pig iron for QT	2 500	HT150 grey iron castings	3 300-3 700
75# ferrosilicon	4 900	HT200 grey iron castings	3 600-4 000
65# ferromanganese	4 500	QT400 ductile iron castings	4 500-5 000
Crystalline silicon	7 900	QT500 ductile iron castings	4 800-5 300
Kaolin	285	QT600 ductile iron castings	5 000-5 500
Red coal dust (Datong)	650		

*The information is provided by An LI, Yongkang Chengan Machine Works

Prices of castings and foundry materials of Wenzhou region, Zhejiang in early Dec. 2004

Name	Price (RMB yuan /t)	Name	Price (RMB yuan /t)
<i>1. Castings</i>		Rim charge for press forming	2 500
Ductile cast iron (including tax)	6 000	Premium grade coke (lower S)	1 450
Ductile cast iron (small castings, including tax)	6 500-7 500	(produced by Shanxi)	
Ordinary castings	4 000-5 000	5-8# alloy nodulizer	8 500
<i>2. Foundry materials</i>		(produced by Baotou, including tax)	
14 # pig iron for QT	2 500	Ferrosilicon (70%)	5 300
(lower P, S, not including tax)		Red coal dust	600
Common pig iron	2 300	Kaolin	370
Cast iron scrap	2 200-2 300	Molding sand	150
		(produced by Fujian)	

*The information is supplied by Jinxiang WANG, Wenzhou louqiang dongfeng Foundry Works

Foundry materials prices of Laiwu region, Shandong in the middle of Jan. 2005

Name	Price (RMB yuan /t)	Name	Price (RMB yuan /t)
Common pig iron	2 323	Fireclay	190
High-purity pig iron	2 688	Common clay	67
Coke	1 128	Premium quality bentonite	660
Block coal	547	Common bentonite	240
Scrap steel	2 137	Coal dust	654
Scrap copper	28 205	Resin	10 086
Ferromanganese	6 496	Hardener	3 743.6
Nodulizer	6 421-8 200	Coating	2 735
Inoculation	6 667-8 120	Stripping agent	13 850
Raw sand	99	Resin-coated sand	256
Washed-out sand	160		

Castings prices of Laiwu region, Shandong in the middle of Jan. 2005

Name	Price (RMB yuan /t)	Name	Price (RMB yuan /t)
<i>Grey cast iron:</i>		<i>Ductile cast iron:</i>	
Rough castings	4 000-6 000	Rough castings	4 800-9 000
Finished castings	5 000-10 000	Finished castings	6 000-13 000

*The information is provided by Jie ZHANG, Shandong Laiwu Huijin Co. Ltd.

Prices of castings and foundry raw materials of Wenzhou region, Zhejiang in the middle of Jan. 2005 (not including tax)

Name	Price (RMB yuan /t)	Name	Price (RMB yuan /t)
1. Castings		Brass	20 000
Iron castings	4 300-4 500	Kaolin	300
Ductile iron castings	5 500	Water-base coating for steel castings	2 500
Carbon steel castings	6 500-7 000	3. Raw materials for investment casting:	
Carbon steel castings produced by investment casting	8 000-9 000	58°-70° wax	5 900
Iron castings produced by EPC	8 500-9 000	(produced by Dalian Petrochemical Co.)	
Exhaust tube castings	10 000	Stearic acid	6 300
2. Foundry raw materials:		(produced by Lanxi, Zhejiang)	
Common pig iron	2 300	Crystalline aluminum chloride	2 500
Pig iron for ductile cast iron	2 500	(produced by Whenzhou)	
Coke	1 400	Ammonium chloride (produced by Hangzhou)	950
Scrap steel	2 600	Artificial silica sand:	
Ferrosilicon (70%)	5 300	(produced by Liushi Silica Ltd. Co., Fuzhou):	
Ferromanganese (60%)	5 800	5# and 6# dry silica sand	300 (Bag-pack)
		9# silica sand	380 (Bag-pack)

*The information is provided by Jingfei CHEN, Whenzhou Foundry Centre

Castings prices of Xi'an region, Shanxi in Jan. 2005

No.	Name	Price (RMB yuan /t)	Remarks
1	Carbon steel castings	5 900-6 500	Sand casting, ordinary requirement
2	Alloy steel castings	6 600-7 200	Sand casting, not containing Mo
3	ZG30Cr26Ni5	18 000-19 000	Sand casting, ordinary requirement
4	ZG1Cr18Ni9Ti	23 000-25 000	Sand casting, ordinary requirement
5	ZG35Cr25Ni20	42 000-45 000	Sand casting, ordinary requirement
6	ZG35Cr24Ni7Si2N	21 000-24 000	Sand casting, ordinary requirement
7	ZG35Cr18Mn12Si2N	19 000-21 000	Sand casting, ordinary requirement
8	High-manganese steels	6 300-7 000	Sand casting, ordinary requirement
9	ZGMn13Cr2	6 600-7 300	Sand casting, ordinary requirement
10	Grey iron castings	4 200-4 800	Sand casting, ordinary requirement
11	Ductile iron castings	5 300-6 000	Sand casting, ordinary requirement
12	KmTBCr26	11 000-12 000	Sand casting, ordinary requirement

The prices of carbon steel castings, stainless and heat resistant steels tend to be stable. The prices of low alloy not containing Mo remain relatively stable, but the prices of iron castings are rising a bit. The prices of alloy steel containing Mo and high-manganese steels tend towards rise with raising of the prices of ferromanganese and ferromolybdenum.

Prices of main foundry materials of Xi'an region, Shanxi in early Jan. 2005

No.	Name	Price (RMB yuan /t)	Remarks
1	Scrap steel	2 300	Medium-size
2	Foundry pig iron	2 100	Mean price
3	Turnings	1 800	
4	High-carbon manganese steel	7 800	Price by Mn65 P<0.2%
5	High-carbon manganese steel	7 400	Price by Mn65 P≥0.2%
6	Low-carbon manganese iron	14 500	Price by Mn78
7	High-carbon ferrochromium	6 500	Price by Cr50
8	Low-carbon ferrochromium	10 500	Price by Cr50
9	Ferromolybdenum	350 000	Price by Mo55
10	RE ferrosilicon	9 200	
11	RE silicon magnesium alloy	11 000	Mean price
12	Ferrosilicon	5 700	Price by Si75
13	Silica sand	240	
14	Bentonite	360	
15	Water glass	840	
16	Carbon dioxide	26	Each bottle
17	Pig iron for ductile iron	2 400	Mean price
18	Metallurgical pig iron	2 300	Mean price
19	Coke	950	
20	Nickel plate	155 000	

General trend of price is: the prices of auxiliary materials are relatively stable, but the price of iron, steel and ferro-alloy are in a state of considerable fluctuation. After adjusted last time, the prices of scrap steel remain stable, but the prices of ferrochromium and ferrosilicon drop down a bit. The prices of ferromanganese, especially low ferromanganese has gone up. The prices of ferromolybdenum are always at the high levels; the prices of pig iron appear to be lower first than those of scrap steel. Therefore, the factories producing high-manganese steel should develop the new wear-resisting metal, such as low-manganese wear-resisting steel and medium-chromium wear-resisting steel.

*The information is provided by Baizhan LEI, Shanxi Xindong Foundry Co. Ltd

Prices of foundry materials of Qinghai region in Jan. 2005

Name	Price (RMB yuan /t)	Name	Price (RMB yuan /t)
1. Metal materials		Red sand	250
Low-carbon ferrochromium	10 256	Water glass	1 717
High-carbon ferrochromium	6 926	3. Coatings	
Ferrosilicon	5 727	CMC	7 000
Medium-carbon Ferromanganese	14 102	Sodium carbonate	1 600
Ferromolybdenum	310 000	Iron oxide powder	5 000
Z18 pig iron	2 850	Silica flour	650
RE ferrosilicon	11 112	Bauxite	1 111
Ferro-phosphor	3 076	Bentonite	800
2. Molding materials		Zircon Powder	7 600
Clay	384	4. Other material	
Silica sand	61.32	Deslagging agent	7 600

*The information is provided by Fakui ZHAO, Qinghai Datongqiao Foundry Co.

Prices of foundry materials and castings of Xiuzhou, Anhui in the middle of Feb. 2005

Name	Price (RMB yuan /t) (Including tax)
1. Foundry materials:	
Q12 pig iron	2 740
Ferrosilicon (75%)	5 600
RE magnesium alloy	8 300
Coke	1 300
Kaolin	180
Coal dust	460
Scrap steel	2 400
2. Castings:	
HT250	3 900-4 200
QT450	5 000-5 500

*The information is provided Jianguo CAI, Xiuzhou Caisi Foundry Co.

Prices of foundry raw materials in Jinhua region, Zhejiang in the middle of March 2005

Name	Price (RMB yuan /t) (Including tax)
18# pig iron	2 850
Q12 pig iron	3 100
RE magnesium alloy	8 200
Coke	1 500
Clay	270
Coal dust	480
Scrap steel	2 800
60# ferromanganese	5 500
72# ferrosilicon	5 800
5# silica sand	140
Thermal insulation sand	280

*The information is provided by An LI, Yongkang Chengan Machine Works

Foundry materials prices of part regions of China in the middle of March 2005

Name	Price (RMB yuan /t)	Regions	Name	Price (RMB yuan /t)	Regions
Q10 pig iron	3 250	Hebei	Coke	1 000	Shanghai
Ordinary pig iron	3 100	Hebei	Limestone	170	Beijing
Special grade scrap steel	2 950	Beijing	Scrubbed sand	560	Hebei
Ordinary scrap steel	2 650	Beijing	Bentonite	1 200	Baotou
Recarburizer	3 500	Hebei	Water-base coating	4 500	Beijing
Ferrous sulphide	11 000	Jiangsu	Alcohol-base coating	5 500	Beijing
Deslagging agent	1 200	Beijing	Metal mould coating	4 500	Beijing
Ferrosilicon	7 300	Qinghai	Furan resin	12 000	Beijing
Ferromanganese	8 100	Tianjin	Binder	4 800	Beijing
Nickel plate	170 000	Jinchuan	Stripping agent	31 000	Guangdong
Ferromolybdenum	275 000	Beijing	Filter screen	(0.2 yuan/cm ²)	Guangdong
Tin ingot	10 000	Beijing	Patching pasty for core	8 800	Beijing
Copper	66 000	Beijing	Spray-patching for copula	12 000	Beijing
Ferrophosphor	7 000	Beijing	Rammed material for cupola	4 200	Beijing
Sr-series inoculants	17 000	Xi'an	Clay	150	Beijing
Ba-series inoculants	12 000	Qinghai	Amorphous graphite	860	He'nan
Si-series inoculants	75 000	Beijing	Crystalline graphite	2 150	He'nan
RE silicon-magnesium	9 200	Beijing			

* The formation is provided by Xuefang GENG, Lileshi (Beijing) Hydraulic Co. Ltd

**Ferrovanadium prices of main regions
in the end of Nov. 2004 (including tax)**

Specifications	Price (RMB yuan /t)	Regions
Fev50	158 000	Jinzhou
	157 000	Linghai
	158 000	Panzhuhua
	153 000	Qinghe
	162 000	Nanjing
	156 000	Jiangyin

*The information is extracted from Chinese Hot Treatment Net

**Medium-carbon ferromanganese prices of main
regions in the end of Nov. 2004 (including Tax)**

Specifications	Price (yuan /t)	Regions
FeMn78C2.0	12 200	Shanghai
	11 800	Xi'an
	12 000	Jinzhou
	11 800	Deyang
FeMn78C1.5	12 600	Shanghai
	12 300	Xi'an
	12 400	Jinzhou
	12 200	Deyang

**Medium-carbon ferrochromium prices of main
regions in early Dec. 2004 (including tax)**

Specifications	Price (RMB yuan /t)	Regions
FeCr69C2.0	11 800	Wuhan
FeCr55C200	9 500 (50 basic price)	Shanghai
FeCr55C200	9 200 (50 basic price)	Shenyang
FeCr55C100	9 200 (50 basic price)	Jilin
FeCr55C200	11 600 (60 basic price)	Huangshi
FeCr55C200	11 500 (60 basic price)	Anyang

*The information is carried in Chinese Foundry Materials and Equipment Net

**Ferromolybdenum prices of main regions
in Feb. 2005 (including tax)**

Specifications	Price (RMB yuan /t)	Regions
FeMo60	355 000	Qinghe
	360 000	Jiangyin
	365 000	Chaoyang
	364 000	Jinzhou
	365 000	Ranchuan
	368 000	Huludao

*The information is supplied by Chinese Foundry Materials and Equipment Net

**High- and low-carbon ferrochromium prices
of main regions in Dec. 2004 (including tax)**

Specifications	Price (RMB yuan /t)	Regions
FeCr55C1000	6 500 (50 basic price)	Liaoyang
		Lanzhou
		Shenyang
		Chongqing
FeCr67C9.5	6 600 (50 basic price)	Nanjing
	6 550 (50 basic price)	Jiangyin
FeCr55C25	12 200 (60 basic price)	Xinhua
	12 000 (60 basic price)	Jinan
	11 700 (50 basic price)	Jilin
	10 000 (50 basic price)	Shenyang
	11 400 (50 basic price)	Yongdeng
	9 900 (50 basic price)	Jiande

**Ferrosilicon prices of main regions in Feb. 2005
(including tax)**

Specifications	Price (RMB yuan /t)	Regions
FeSi75	5 200	Shizuishan
	5 200	Xi'an
	5 300	Rongjing
	5 300	Xichang
	5 800	Shanghai
	5 600	Wuxi
	5 200	Baotou
	5 300	Zunyi
	5 200	Lanzhou
	5 200	Anyang
FeSi72	5 000	Shizuishan
	5 000	Lanzhou
	5 000	Xi'an
	5 100	Rongjing
	5 100	Xichang
	5 400	Wuxi
	5 600	Shanghai
	5 000	Anyang
	5 200	Zunyi
	5 000	Baotou

*The information is supplied by Chinese Foundry Materials and Equipment Net

**Ferrotungsten prices of main regions
in Jan. 2005 (including tax)**

Specifications	Price (RMB yuan /t)	Regions
FeW80 (70 basic price)	72 000	Lengshuijiang
	73 000	Jinzhou
	71 000	Shanghai
	71 000	Ganzhou
	72 000	Changshu
	70 000	Lanzhou
FeW70 (70 basic price)	73 000	Wuhan
	72 000	Jiangyin
	72 000	Tianjin
	71 000	Xingtai
	71 000	Anshan
	72 000	jinan
	72 000	Chengdu

*The information is extracted from Chinese Hot Treatment Net

**Ferromolybdenum prices in some regions
in the middle of March 2005**

Specifications	Price (RMB yuan /t)	Regions
FeMo60	390 000-400 000	Qinghe
	410 000-420 000	Jiangying
	410 000	Chaoyang
	410 000-415 000	Jinzhou
	415 000	Luanzhou
	410 000	Huludao

*The information is supplied by Chinese Foundry Materials and Equipment Net

**Ferrotitanium prices of main regions
in early Jan. 2005 (including tax)**

Specifications	Price (RMB yuan /t)	Regions
FeTi30-A	11 500	Linhai
	11 800	Handan
	12 000	Tianjin
	11 300	Yizheng
	11 500	Taiyuan
	11 700	Jinzhou
	12 000	Anyang
	11 500	Changge
	13 000	Shijiazhuang

*The information is carried in Chinese Foundry Materials and Equipment Net

**Medium-carbon ferromanganese prices of
main regions in early Jan. 2005 (including tax)**

Specifications	Price (RMB yuan /t)	Regions
FeMn78C2.0	12 300	Shanghai
	12 100	Xi'an
	12 300	Jinzhou
	12 100	Deyang
FeMn78C1.5	12 700	Shanghai
	12 600	Xi'an
	12 700	Jinzhou
	12 600	Deyang

*The information is extracted from Chinese Hot Treatment Net

Prices of some alloy materials in Liuzhou, Guangxi in early March 2005 (including tax)

Name	Specifications	Price (RMB yuan /t)
High-carbon ferromanganese	FeMn65C7.0	6 850
Medium-carbon ferromanganese	FeMn75C1.5	12 000
Ferrosilicon	FeSi75Al1.5-A	6 850
High-carbon ferrochromium	FeCr55C1000	8 600
Medium-carbon ferrochromium	FeCr55C2.0	13 500
Low-carbon ferrochromium	FeCr55C25	15 000
Trace-carbon ferrochromium	FeCr55C15	16 500
RE ferrosilicon	FeSiRE24	10 500
RE magnesium ferrosilicon	FeSiMg8RE5	8 600
RE magnesium ferrosilicon	FeSiMg8RE7	8 900
RE magnesium ferrosilicon	FeSiMg10RE7	9 000

* The information is provided by Hongxin Che, Liuzhou yufeng Cement Alloy Wear-resistant Materials Works