



**Conferencia
de las Naciones Unidas
sobre Comercio
y Desarrollo**

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Comisión Permanente de Productos Básicos
Grupo Intergubernamental de Expertos
en Mineral de Hierro
Secundo período de sesiones
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Tema 3 del programa

EXAMEN DE LAS ESTADISTICAS SOBRE EL MINERAL DE HIERRO

Estadísticas sobre el mineral de hierro - 1983-1992

Preparadas por la secretaría de la UNCTAD

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INTRODUCCION

1. El presente documento se publica en el marco del programa de la UNCTAD sobre estadísticas relativas a los minerales y los metales. Contiene información, actualizada en la medida de lo posible, que abarca el período 1983-1992. Contiene 27 cuadros presentados al igual que la versión precedente. También para facilitar la lectura y la comprensión de las estadísticas se han incluido las definiciones y notas de pie de página
2. Las mejoras hechas en este documento se inspiran en las deliberaciones sobre cuestiones estadísticas celebradas durante anteriores períodos de sesiones del Grupo Intergubernamental de Expertos en Mineral de Hierro y tienen en cuenta las sugerencias allí formuladas.
3. La presente compilación de estadísticas sobre mineral de hierro se basa principalmente en las respuestas al cuestionario revisado de la UNCTAD sobre mineral de hierro. El cuestionario se envió a todos los Estados miembros de la UNCTAD y a la Comisión de las Comunidades Europeas el 18 de enero de 1993. Al 15 julio de 1993 habían respondido al cuestionario 28 países, además de la Comisión. Las respuestas se resumen en los anexos.
4. Los datos relativos a los países que no han respondido al cuestionario se compilaron tomando como base las estadísticas de que se dispone en el Banco de Datos de la UNCTAD, en el que se reúnen los datos sobre producción y comercio de varios productos básicos, así la información proporcionada directamente por los gobiernos a la Oficina de Estadística de las Naciones Unidas en cintas magnéticas o en publicaciones estadísticas nacionales. Se utilizaron también para complementar estos datos publicaciones pertinentes de otras organizaciones internacionales.
5. En la medida de lo posible se ha intentado elaborar los cuadros con datos estadísticos comparables y utilizando criterios y definiciones uniformes. Sin embargo, hay todavía mucho margen para nuevas mejoras a este respecto. La utilización regular y general del cuestionario de la UNCTAD ha resultado muy útil y sigue siendo un medio importante para conseguir el objetivo propuesto.
6. Aunque la secretaría de la UNCTAD considera fundamental que sus estadísticas ofrezcan una cobertura geográfica, como en los nuevos cuadros del presente documento se presentan datos originales basados exclusivamente en las respuestas al cuestionario, no ha sido posible conseguir esa cobertura geográfica completa. Cabe señalar, sin embargo, que un gran número de países ha enviado datos adicionales.
7. Para mejorar la presentación analítica de los cuadros sobre la producción de mineral de hierro (cuadro 1), las exportaciones de mineral de hierro (cuadro 6), las importaciones de mineral de hierro (cuadro 10) y el consumo aparente de mineral de hierro (cuadro 17), se ha agregado una columna con el porcentaje de variación del año 1992 en relación al año 1991.
8. Por razones técnicas, los cuadros se presentan en inglés solamente.

NOTAS EXPLICATIVAS

1. En los cuadros se han empleados los signos siguientes :
 - (1) El signo “#” indica que los datos han sido comunicados por los gobiernos (cuestionario).
 - (2) El signo “-” indica que la cantidad es nula o insignificante
 - (3) El signo “..” indica que no se dispone de información
 - (4) La letra “E” indica que los datos han sido estimados por la secretaría de la UNCTAD a falta de información de los gobiernos y cuando no se dispone de datos de publicaciones nacionales oficiales
 - (5) La palabra “toneladas” significa toneladas métricas.
 - (6) Los “dólares” son dólares de los Estados Unidos.

2. La reunificación de Alemania el 3 de octubre de 1990 supuso un aumento del territorio de este país dentro de la Comunidad Económica Europea, por lo que resulta difícil la comparación estadística con años anteriores. En el presente informe, las estadísticas relativas a Alemania para 1991 y 1992, están referidas al territorio ampliado. Como consecuencia de esta nueva situación, al interpretar las cifras de 1991 y 1992 debe tenerse en cuenta que: **las cantidades totales correspondientes a los países desarrollados con economía de mercado y a la CEE son superiores**; en cambio **las correspondientes a los países de Europa oriental son menores** por haberse excluido las cifras relativas a la antigua República Democrática Alemana.

3. Para facilitar el análisis estadístico, se recogen en este informe las cifras correspondientes a 1991 y 1992 de la antigua URSS; sin embargo, a partir del 26 de diciembre de 1991 ha de utilizarse en las Naciones Unidas el nombre de Federación de Rusia en lugar del de Unión de Rep blicas Socialistas Soviéticas. La secretaría de la UNCTAD ha recibido algunas estadísticas de la Federación de Rusia, Ucrania y Letonia; los datos de estas estadísticas se reproducen a título de información pero no se añaden a las cantidades totales.

4. El Grupo Intergubernamental de Expertos en Mineral de Hierro observó que en un gran número de países se está aplicando la nomenclatura del *Sistema Armonizado de Designación y Codificación de Productos* y que hay una estrecha correlación entre ese sistema y la *Clasificación Uniforme para el Comercio Internacional* . (CUCI) de las Naciones Unidas. En el cuadro siguiente se presenta una correlación entre los cinco sistemas internacionales de clasificación estadística que se utilizan actualmente: la *Clasificación Uniforme para el Comercio Internacional (CUCI, Rev.1)*; la *Clasificación Uniforme para el Comercio Internacional Revisada (CICI, Rev.2 y Rev.3)*; la *Nomenclatura del Consejo de Cooperación Aduanera (NCCA)* y el *Sistema Armonizado de Designación y Clasificación de Productos (SA)*.

Partida	CUCI Rev.1	CUCI Rev.2	CUCI Rev.3	NCCA	SA
Mineral de hierro y sus concentrados Sin aglomerar	2813	2815	2815	2601B	260111
Aglomerados productos sinterizados, pélets, briquetas)	2813	2816	2816	2601C	260112
Arrabio en ligotes bloques u otras formas primarias	6712	6712	6712	7301	720110
Hierro esponjoso o productos ferrosos obtenidos por reducción directa de mineral de hierro	67133	67133	67133	7305B	720310
Chatarra y desperdicios de hierro fundido (chatarra comprada)	2820	28201	2821	7303A	720410

DEFINICIONES

Peso	Natural: En el estado natural de extracción.
Año	Las estadísticas que se piden son las correspondientes al año civil comprendido entre el 1 de enero y el 31 de diciembre.
Producción	Minerales, concentrados, aglomerados y no aglomerados, expresados en productos comercializables solamente.
Comercio	Cantidades de mineral de hierro que son objeto de comercio, protipos de productos, expresadas en peso natural y en contenido de hierro . El valor de las exportaciones debe indicarse f.o.b. , y el de las importaciones c.i.f.
Producto de la mina	Mineral de hierro no preparado comercializable , con más de 20 % finos.
Gruesos	Mineral de hierro no beneficiado comercializable , de un tamaño comprendido normalmente entre 10 y 30mm. Generalmente tiene menos de 20% de finos.
Finos	Partículas pequeñas de mineral comercializable que normalmente tienen que ser aglomerados, por sinterización o peletización. Generalmente tienen menos de 10mm.
Concentrados	Mineral comercializable tratado en instalaciones de concentración para conservar los elementos valiosos y desechar los que no tienen interés comercial.
Mineral para peletización	Finos de mineral de hierro destinados a la peletización. Generalmente son muy finos, de menos de 0.1mm.
Pélets	Finos de mineral de hierro aglomerados en forma de nódulos irregulares de generalmente 10mm de diámetro.
Sinterizados	Aglomeraciones de finos de mineral natural, de concentrados de mineral, de partículas de los humos y de otros materiales.
Chatarra férrica	Chatarra de alto contenido de hierro utilizada en la industria del acero.
Arrabio	Hierro primario producido a partir de mineral de hierro en hornos altos.
Eponja de hierro o hierro de reducción directa	Hierro primario producido por reducción directa sin rebasar la temperatura de fusión.
Acero crudo	Se mide en la primera etapa de la solidificación, excepto el acero líquido destinado a la fundición.

FUENTES COMPLEMENTARIOS

Statistical Yearbook y world in Figures,
Hierro y del Acero, Bruselas.

Monthly Bulletin of Statistics ,
Naciones Unidas, Nueva York.

Monthly Report of the Iron and Steel Statistics,
Japan Iron and Steel Federation, Tokio.

Siderurgia Latino-Americana,
Instituto Lationamericano del Fierro y el Acero, Santiago.

Direct from Midrex,
Midrex Corporation, Carolina del Norte, Estados Unidos.

1. IRON ORE : Production¹

(thousand tonnes, natural weight²)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	% change 92/91
WORLD	777972	874810	910365	914707	931714	960428	986156	976452	949945	902681	-5.0
DEVELOPED MARKET ECONOMY COUNTRIES	210798	260479	266437	246690	253938	262286	278047	272451	281282	266396	-5.3
AMERICA	71886	92030	89328	76125	84164	97924	99014	91491	92628	89362	-3.5
Canada	33326#	39930#	39798#	36679#	36520#	40409#	41142#	36033#	37111#	34449#	-7.2
United States	38560	52100	49530	39446	47644	57515	57872	55458	55515#	54913#	-1.1
EUROPE	48324	52293	51865	48866	43143	40401	40614	36165	35239	31668	-10.1
EEC	26850	25833	24025	20970	16598	14453	14083	11907	11582	8589	-25.8
Belgium-Luxembourg	40	-	-	-	-	-	-	-	-	-	-
France	16180	15030	14480	12560	11566	9872#	9319#	8720#	7492#	5706#	-23.8
Germany	980	980	1030	717	247	70#	102#	84#	118#	109#	-7.6
Greece	1300	1452	1712	1300E	-	-	-	-	-	-	-
Portugal	30	30	70	50	30	25	20	20E	-	-	-
Spain	7940#	7961#	6463#	6054#	4492#	4262#	4610#	3030#	3915#	2746#	-29.9
United Kingdom	380	380	270	289	263	224#	32#	53#	57#	28#	-50.9
EFTA	21474	26460	27840	27896	26545	25948	28531	24258	23657	23079	-2.4
Austria	3540	3600	3300	3120#	3050#	2300#	2410#	2300#	2120#	1650E	-22.2
Finland	860	900	800	643#	648	557#	-	-	-	-	-
Norway	3540	3840	3470	3660	3140	2644#	2358#	2081#	2209#	2152#	-2.6
Sweden	13534	18120	20270	20473#	19707	20447	21763#	19877#	19328#	19277#	-0.3
SOUTH AFRICA	16605	24496	24939	24483	22008#	25247#	29958#	30291#	28952	28226#	-2.5
ASIA	298	324	338	291	285	278	251	208	40	40	-
Japan	298	324	338	291#	295	278	251	208	40	40E	-
OCEANIA	73685	91338	99967	96925	104328	98436	108210	114296	124265	117100	-5.8
Australia ³	71485#	89046#	97447#	94015#	101748#	96084#	105810#	112000#	122000	115000E	-5.7
New Zealand	2200	2290	2520	2910	2580	2352#	2400E	2296#	2265#	2100E	-7.3
DEVELOPING COUNTRIES AND TERRITORIES	187936	231413	251758	263008	268914	281757	290309	285778	282091	267384	-5.2
AFRICA	29714	32583	32543	32150	30827	29982	31349	22568	18208	15945	-12.4
Algeria	3684	3664	3380	3360#	3575#	3400E	2748#	2930#	2700	2700E	-
Egypt	2060	1889	2120	1999	2112#	2400#	2420#	2371#	1978#	1978#	-16.6
Liberia	15410	16100	16120	15600	13806#	12808#	12300	3981	1200	1705	42.1
Mauritania	6600	9000#	9203#	9262#	9120#	9782#	12114#	11416#	10194#	8094#	-20.6
Morocco	300	200	140	200	204	117#	126#	50#	54#	71#	31.3
Sierra Leone	360	420	70	-	-	-	-	-	-	-	-
Tunisia	300	310	310	310	290	226#	190#	191#	191#	189#	-1.0
Zimbabwe	1000E	1000E	1200E	1419#	1720#	1249#	1471#	1580#	1498#	1208#	-19.4
AMERICA	120820	146460	163254	165596	171788	185548	182671	192851	192836	182383	-5.4
Argentina	1000	700	900	710	800	1162#	677#	444#	89#	2#	-97.8
Bolivia ³	-	-	-	-	-	15#	14#	125#	102#	100E	-2.0
Brazil ⁴	92100	112100	128200	129054	134105#	146000#	153743#	152303#	150657#	145820#	-3.2
Chile	5170	5590	5840	6326#	6131#	7295#	8112#	7811#	8691#	7154	-17.7
Colombia	456#	441#	455#	523#	615	615#	600	628#	607#	600E	15.3
Mexico	8420	10543	8103	7581	7374	7830#	7538#	8114#	9138	7763#	-3.0
Peru ³	4225	4031	4992	5195#	5567#	4158#	3935	3307#	3593#	2900	-19.3
Venezuela	9449	13055	14764	16207#	17196	18473#	18052#	20119#	19959#	18054#	-9.5
ASIA	42384	47055	50481	58644	60318	60684	61852	68227	68875	67748	-2.7
India	38089#	42310#	44090#	51169#	51335#	49961#	51434#	53702#	56884#	54872#	-3.5
Iran, Islamic Rep. of	-	-	1000E	2000E	3000E	4300	5630	5500E	6184#	7000E	13.2
Malaysia	100	160	182	208	161	209#	193#	348	384	270E	-29.7
Republic of Korea	591	554	542	525	510	672	344#	370#	290#	300E	-3.4
Thailand	70	70	94	37#	97	99	160	132	228	459#	101.3
Turkey	3501#	3958#	4573#	4705#	5213#	5443#	4091#	6155#	4885#	4825#	-1.2
Other Asia	33	3	-	-	-	-	-	20	20E	20E	-
EUROPE	5018	5315	5478	6618	5983	5543	4438	4132	2172	1300E	-40.0
Yugoslavia (former)	5018#	5315	5478	6618	5983	5543#	4438#	4132#	2172	1300E	-40.0

1 IRON ORE : Production¹

(concluded)

(thousand tonnes, natural weight²)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	% change 92/91
COUNTRIES											
IN EASTERN EUROPE	250958	253188	253932	256379	256842	253605	246700	239373	201942	163463	-19.1
Bulgaria	1803	2063	1985	2179	1857	1826	1613	1079#	858#	349#	-59.3
Czechoslovakia	1903	1869	1824	1784	1798	1773	1780#	1710	1740	726#	-58.3
Germany(former G.D.R.)	40	36	-	-	-	-	- #	-	-	-	-
Hungary	215	193	184	-	-	-	-	-	-	-	-
Poland	10	11	12	9	6	6	7	6E	5E	..	..
Romania	1987	1916	2287	2431	2281	2000#	2000#	578#	477E	388#	-18.7
USSR (former)	245000	247100	247640	249976	250900	248000#	241300#	236000#	198862#	162000E	-18.5
<i>of which</i>											
Ukraine	..	..	..	..	..	..	..	105866#	86813#	..	..
Russia	..	..	..	..	..	..	..	..	92200	82100	-10.9
SOCIALIST COUNTRIES											
OF ASIA	118280	129830	138240	148630	152020	162780	171100	178850	184790	205438	11.1
China	110280	121830	130240	140630	144020	154780	162100	169350	175290	185938	11.8
Other Socialist Asia	8000	8000	8000	8000	8000	8000	9000E	9500E	9500E	9500E	-

1 Production: Includes ores, concentrates and iron ore agglomerated. Marketable products only.

2 Natural weight: natural state of extraction, normally wet.

3 Dry weight.

4 Pellets not included.

2. IRON ORE : Production

(thousand tonnes, Fe content)¹

Region country or area	% Fe	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
WORLD		425938	483895	500728	502682	518812	550149	566490	557233	539476	506980
DEVELOPED MARKET ECONOMY COUNTRIES		124423	155394	159570	149631	154652	161138	172251	168540	173138	165118
AMERICA		44325	56564	54934	46995	51928	60375	62597	57857	58576	56511
Canada	63.3	21189#	25304#	25216#	23229#	23340#	25866#	26022#	22808#	23491	21806
United States	63.2	23136	31260	29718	23766	28586	34509	36575	35049	35085	34705
EUROPE		21786	24577	24801	24878	22044	21354#	21019#	19059#	18835#	17625#
EEC		9386	9101	8596	7815	5816	5152#	5124#	4057#	4067#	2985#
Belgium-Luxembourg	-	10	-	-	-	-	-	-	-	-	-
France	28.8	4854	4509	4529	4198	3566	3119#	2945#	2650#	2255#	1643#
Germany	14.0	294	294	309	212	68	10#	14#	12#	17#	15#
Greece	-	559	624	736	559	-	-	-	-	-	-
Portugal	-	17	17	36	26	15	13#	10	10	10	-
Spain	48.1	3553#	3558#	2926#	2761#	2109#	1961#	2148#	1373#	1773#	1321#
United Kingdom	20.4	99	99	60	59	58	49#	7#	12#	12#	6#
EFTA		12400	15476	16205	17063	16228	16202	15895	15002	14768	14640
Austria	32.6	1132	1152	1056	1006	976#	744#	781#	749#	691	538
Finland	-	576	594	528	432#	402	373#	-	-	-	-
Norway	65.0	2301	2496	2256	2379	2041	1692#	990#	1352#	1436#	1399#
Sweden	65.9	8391	11234	12365	13246#	12809	13393#	14124#	12901#	12641#	12703#
SOUTH AFRICA	65.4	10793	15922	16210	15914	14297	16461#	19461#	19689	18819	18460#
ASIA		174	186	197	162	168	158	136	112	22	22
Japan	54.0	174	186	197	162	168	158	136	112	22	22
OCEANIA		47345	58145	63428	81682	66217	62788	69038	71823#	76886	72500
Australia	62.0	46135#	56885#	62042#	60082#	64798#	61494#	67718#	70560#	75640	71300
New Zealand	55.0	1210	1260	1386	1600	1419	1294	1320	1263#	1246	1200
DEVELOPING COUNTRIES AND TERRITORIES		122428	144164	153531	161793	169876	180232	186792#	181862	179930	170765
AFRICA		17524E	19592E	19514	19272	19250	18695	19347	13534	11096	9381
Algeria	52.0	1842	1869	1705	1679	1691	1588	1429#	1524#	1404	1404
Egypt	53.0	750E	850E	950	950	1120#	1250#	1250	1287#	1261#	1048#
Liberia	67.0	9400	9821	9833	9516	9250	8581	8241	2667	804	1142
Mauritania	61.1	4369#	5850#	5982#	6020#	5928#	6358#	7401#	7009#	6626#	4945#
Morocco	60.0	176	116	81	116	116	71#	75#	30#	32#	43#
Sierra Leone	-	192	224E	37	-	-	-	-	-	-	-
Tunisia	50.0	155	158	158	158	131	113	95	96	96	94
Zimbabwe	58.3	640E	704	768	833#	1014	724#	856#	921#	873#	705#
AMERICA		77075	93485	100748	103744	111036	122300	126992	124930	124787	118313
Argentina	64.5	540	378	486	383	432	748#	437#	286	55	-
Bolivia	60.0	-	-	-	-	-	9	8	75#	61	60
Brazil	65.0	58944	71744	78323#	80771	87168#	97090#	102241#	98997#	97927#	94783#
Chile	64.1	3205	3466	3683	4145#	4017	4778#	5267#	5111#	5572#	4586
Colombia	45.3	205#	198#	205#	235#	399#	277#	270	283#	275#	317
Mexico	66.8	5220	6510	5161	4960	5200	5167#	5013#	5436#	6104	5186#
Peru	66.2	2814	2698	3329	3364#	3674	2684#	2538	2182#	2379#	1920
Venezuela	63.5	6147	8491	9561	9886#	10146	11547#	11218#	12560#	12414#	11461#
ASIA		26073	29386	31516	36659	37676	37463	38412	41498	43048	42473
India	63.0	23693#	26750#	27918#	32392#	32550#	31720#	32484#	34369#	35837	34569
Iran, Islamic Rep. of	61.6	-	-	550	1100	1650	2365	3096	3025	3811	4312
Malaysia	60.0	56	90	90	118	112	121#	116#	204	230	162
Republic of Korea	60.0	364	308	302	297	286	370	193#	199#	174#	330
Thailand	60.0	42	37	56	22	58	59	96	79	137	275#
Turkey	59.0	1900#	2200#	2600#	2730#	3020#	2828#	2427#	3619#	2856#	2822#
Other Asia		18	1	-	-	-	-	-	3	3	3E
EUROPE		1758	1701	1753	2118	1914	1774	2041#	1900	999	598
Yugoslavia (former)	46.0	1756	1701	1753	2118	1914	1774	2041#	1900	999	598

2. IRON ORE : Production
(concluded)

(thousand tonnes, Fe content)¹

Region country or area	% Fe	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
COUNTRIES											
IN EASTERN EUROPE		136489	137696	138043	138017	139677	150608	146212	142703	120348	97749
Bulgaria	44.3	595	681	655	719	613	603	533	321	297	155
Czechoslovakia	27.0	647	636	620	607	611	603	477#	462	470	196
Germany(former German Dem. Rep.) -		13	12	-	-	-	-	-	-	-	-
Hungary	-	84	75	72	-	-	-	-	-	-	-
Poland	-	3	4	4	3	2	2	2	2	2	-
Romania	51.0	397	383	457	486	456	600#	600#	318	262	198
USSR (former)	60.0	134750	135905	136235	136202	137995	148800#	144600#	141600#	119317	97200
<i>of which</i>											
Ukraine	58.0	..	..	..	..	..	..	..	65631#	50406#	..
Russiae	60.0	..	..	..	..	..	..	..	..	55320	49260
SOCIALIST COUNTRIES											
OF ASIA											
China	35.0	42598	46641	49584	53221	54407	58173	61235	64128	66104	73328
Democratic People's Republic of Korea	35.0	38598	42641	45584	49221	50407	54173	56735	59378	61354	68578
Republic of Korea	35.0	4000	4000	4000	4000	4000	4000	4500	4750	4750	4750

¹ Fe content: 1 % Fe unit by weight per metric ton of marketable ore.

3. IRON ORE: Production by products, 1992

(thousand tonnes, natural weight)

Country or area	Non-agglomerated						Agglomerated	
	Run of mine ¹	Lumps ²	Fines ³	Concentrates ⁴	Pellet-feed ⁵	Others	Pellets ⁶	Sinter ⁷
Brazil	197,100	27,370	86,910	37,430	31,540	-	22,500	24,985
Canada	-	-	-	13,838	-	-	19,625	985
Czechoslovakia	-	-	-	125	-	-	323	-
Egypt	-	1,029	949	-	-	-	-	1,853
France	5,747	-	-	-	-	-	-	-
Germany	109	-	-	-	-	-	-	-
India	-	23,191	26,366	5,315	-	-	-	-
Mauritania	1,263	1,085	4,438	1,308	-	-	-	-
Mexico	-	-	-	7,763	-	-	8,047	919
Morocco	-	47	12	11	-	-	-	-
Norway	-	-	-	2,152	-	-	-	-
Romania	-	-	-	388	-	-	-	-
South Africa	28,226	-	-	-	-	-	-	-
Sweden	-	1,046	7,815	100	-	-	10,316	-
Turkey	2,264	500	500	598	-	-	963	-
United Kingdom	28	-	-	-	-	-	-	-
Venezuela	18,430	3,610	14,444	-	-	-	-	-
Zimbabwe	-	821	387	-	-	-	-	-

- 1 Marketable unprepared iron ore with more than 20 per cent fines.
- 2 Marketable iron ore between 10 and 30mm with usually less than 20 per cent fines.
- 3 Marketable fine ore, usually below 10mm (or similar size).
- 4 Marketable product from a concentrate plant.
- 5 Fine ore or concentrate very fine, usually below 0.1mm.
- 6 Iron ore fines agglomerated into a rough ball shape typically 10mm.
- 7 Agglomerated fines or concentrates and other iron-bearing materials

4. PELLETS¹: Production

(thousand tonnes)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
WORLD	162948	196985	204313	196474	211500	230244	235838	225217	211130	199501
DEVELOPED MARKET ECONOMY COUNTRIES	68038	91042	93279	82042	90817	103772	107520	99578	96319	94299
AMERICA	53355	71151	71644	61658	70031	82248	84398	77331	75117	74625
Canada	16451#	20264#	23920#	23861#	24120#	26291#	27113#	22515#	20462#	19625#
United States	36904#	50887#	47724#	37795#	45911#	55957#	57285#	54816#	54655#	55000E
EUROPE	8587	13290	14896	14542	14852	15015	16494	15889	15009	14387
EEC	700	4304	4213	4000	4200	4506	4588	4507	4013	2971
Belgium-Luxembourg	700	604	613	500	500	710#	588#	663#	473#	292#
Italy	-	-	-	-	-	-	-	-	-	507#
Netherlands	..	3700	3600	3500	3700	3796#	4000#	3844#	3540#	2172#
EFTA	7887	8986	10683	10542	10652	10509	11906	11362	10996	11816
Finland	332	338	140	-	-	-	480#	-	-	-
Norway	2600	2100	1800	1700	1500	1400#	1400	1397	1211	1500
Sweden	4955	6548	8743	8842#	9152	9109#	10026#	9965#	9785#	10316#
ASIA	3053	3112	3014	2506	2625	3109	3128	3378	3393	3487
Japan	3053	3112	3014	2506	2625	3109#	3128#	3378#	3393#	3487#
OCEANIA	3043	3489	3725	3338	3309	3400	3500	3000	2800	1400
Australia	3043#	3489#	3725#	3338#	3309#	3400E	3500E	3000E	2800#	1400E
DEVELOPING COUNTRIES AND TERRITORIES	32677	40331	42414	44082	47333	53637	54568	52339	49011	46879
AFRICA	3500	2600	3000	2700	3060	3390	3178	1675	170	160
Liberia	3500	2600	3000	2700	3060#	3215#	3000	1500	-	-
Nigeria	..	..	..	..	..	175#	178#	175E	170E	160E
AMERICA	29102	37661	38798	40103	42766	45273	45658	44162	43292	41246
Argentina	546	465	495	646	465	597	658#	612	101	10E
Brazil	14480	22290	22619	24268	24852	26084#	26990#	24684#	24392#	22500#
Chile	3072	3371	3607	3317	3694#	4073#	3924#	4015#	4154#	3189
Mexico	6403	7356	6640	6663#	7400#	7937#	7582#	8298#	7634	8047#
Peru	1101	995	1785	1916	2011	1774#	1848	1304#	1360#	1800
Venezuela	3500	3184	3652	3293#	4344#	4808#	4654	5249	5651	5700E
ASIA	-	-	535	1203	1451	4949	5673	6452	5519	5483
Bahrain	-	-	400	500	-	2500E	3000E	3500E	2600E	2500E
India	-	-	100	200	587#	1467#	1887	1920	1919	2000E
Turkey	-	-	35#	503#	864#	982#	786#	1032#	1000#	963#
EUROPE	75	70	81	78	58	25	61	50	30	10
Yugoslavia (former)	75	70	81	76	58	25#	61#	50E	30E	10E
COUNTRIES IN EASTERN EUROPE	59953	63302	65830	66730	68030	68235	68950	68300	58800	51323
Czechoslovakia	153	202	223	230	230E	262#	250E	300	300	323#
USSR (former)	59800	63100	65607	66500	68800	67973#	68700#	68000#	59500	51000E
of which										
Ukraine	..	..	..	..	..	..	..	22000	22144#	..
SOCIALIST COUNTRIES OF ASIA	2280	2310	2790	3620	4320	4600	4800	5000	6000	7000
China	2280	2310	2790	3620	4320	4600E	4800E	5000E	6000E	7000E

¹ Pellets: Iron ore fines agglomerated into a rough ball shape typically 10mm diameter.

5. SINTER¹: Production

(thousand tonnes)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
WORLD	516291	551827	548757	544996	538263	563613	563461	544318	517391	479113
DEVELOPED MARKET ECONOMY COUNTRIES	218914	237443	238380	218590	208920	228822	232647	226714	226329	209269
AMERICA	18436#	19904	18838	15361	15854	16893	15570	14139	13660	12513
Canada	2021#	2727#	2574#	2114#	1392#	1396#	1906#	1900	1160	985#
United States	16415	17177	16264	13247	14462	15497	13664#	12239#	12500E	11528
EUROPE	109337	117820	119521	109947	101346	110955	112787	110068	110428	101745
EEC	99129	107376	109395	100207	92012	101790	103131	101363	101416	92769
Belgium-Luxembourg	15707	17340	16847	15513	15301	16556#	16116#	16306#	16436#	14827#
France	22776	23960	24556	20873	15302	21477#	21378#	20517#	19499#	18526#
Germany	26855	30827	30929	29311	26140	27833#	29753#	27230#	29064#	26582#
Italy	12656	13630	14515	13478	13008	13071#	12311#	13114#	12113#	9183#
Netherlands	2653	3523	3742	3706	3682	3901#	3668#	3945#	3797#	3795#
Portugal	360E	360E	477	492	429	452#	395#	344#	275#	428#
Spain	8253	7410	7465	6919	6600	5433#	6228#	6177#	6536#	5994#
United Kingdom	9869	10326	10864	9915	11550	13067#	13282#	13730#	13696#	13434#
EFTA	10208	10444	10126	9740	9334	9165	9656	8703	9010	8976
Austria	5551	5866	5696	5259#	4814	4431	4775#	4380#	4412#	4400E
Finland	2809	2854	2637	2761#	2837	2970#	3060#	2800E	3040#	3170#
Norway	732	627	666	620	633	673#	680	400E	400E	300E
Sweden	1116	1097	1127	1100	1050E	1091#	1141#	1123#	1158#	1106#
ASIA	85710	93947	93929	87509	86447	94933	98190	96509	96143	88811
Japan	85710	93947	93929	87509	86447	94933#	98190#	96509#	96143#	88811#
OCEANIA	5431	5772	6092	5773	5273	6041	6100	6000	6100	6200
Australia	5431	5772	6092	5773	5273	6041	6100	6000	6100E	6200E
DEVELOPING COUNTRIES AND TERRITORIES	34144	40243	43010#	45593	47985	54043	53372	51206	55162	55428
AFRICA	-	-	-	2845	2680	4621	4639	4753	4736	4384
Algeria	-	-	-	2670#	2500	2600E	2600E	2500E	2500E	2400E
Egypt	-	-	-	-	-	1862#	1900E	2089#	2086#	1853#
Zimbabwe	-	-	-	175#	180E	159#	139#	164#	150#	131#
AMERICA	16689	21095	23387	24019	24253	27095	26914	23565	25804	26701
Argentina	815	820	876	881	904	811	928#	838	743	700E
Brazil	14417	18880	21000#	21471	21871#	24952#	24703#	21395	23903#	24985#
Colombia	361	259	324	390	405	396	379	414#	401#	400E
Mexico	1096	1136	1187	1277	1073	936#	883#	918#	900E	916#
ASIA	13450	15084	15318	14824	17296	18550	18060	19588	21979	22843
India	7480	8102	8115	8134	9021#	9686#	10189	10000E	12991	13500E
Philippines	3101	3948	3900	3774	4307	4607	4679	5080	4750	4916#
Turkey	2869#	3034#	3303#	2916#	3968#	4257#	3192#	4508#	4238#	4427#
EUROPE	4005	4064	4305	3905	3756	3777	3780	3300	2500	1200
Yugoslavia (former)	4005#	4064#	4305#	3905#	3756#	3777#	3780#	3300E	2500E	1200E
COUNTRIES IN EASTERN EUROPE	204613	207381	199187	207893	201948	199248	194942	182388	148900	123416
Bulgaria	3000E	3000E	3196	3000	2717	2287	2365	1650E	1500E	1400E
Czechoslovakia	14315	13587	14008	14150	13000	12464	13076	12950	11700	1016#
Germany(former German Dem. Rep.)	3168	3279	3148	3296	3207	3346	3199#	2500E	-	-
Hungary	4001	3591	3332	3342	3023	2875	2900#	1773	1600E	1500E
Poland	14100E	15127	14586	15618#	15401	14054#	12993	11779	9000E	8500E
Romania	11529	13797	13570	14021	14000E	13880#	13002#	8846	6500E	4000E
USSR (former)	154500	155000E	147347	154468	150600	150342#	147407#	142900#	118600	107000E
of which Ukraine	..	..	..	..	..	..	..	64094#	54088#	..
SOCIALIST COUNTRIES OF ASIA	58620	66760	68180	72920	79410	81500	82500	84000	87000	91000
China	58620	66760	68180	72920	79410	81500	82500	84000E	87000E	91000E

¹ Sinter: agglomeration of natural ore fines, ore concentrates, flue dust and other iron-bearing materials.

6. IRON ORE: Exports

(thousand tonnes, natural weight)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	% change 92/91
WORLD	313615	372281	377178	364500	369140	401742	420349	394842	397852	365289	-8.2
DEVELOPED MARKET ECONOMY COUNTRIES	136716	162791	164202	151986	149254	169294	180769	168003	184952	171852	-7.1
AMERICA	28619	35785	37238	35548	34755	35808	35587	30240	33733	30187	-10.5
Canada	24778	30712	32124	30995	29662	30523#	30222#	27041#	29688#	25132#	-15.3
United States	3841#	5073#	5114#	4553#	5093#	5285#	5365#	3199	4045#	5055#	25.0
EUROPE	23785	27456	27724	25693	25142	25550	24716	23564	23052	22639	-1.8
EEC¹	3#	5#	5#	6#	21#	116#	52#	411#	155#	285#	8.4
Belgium-Luxembourg	-	-	15	1	3	7#	11#	16#	13#	20#	53.8
Denmark	12	7	7	5	3	4#	2#	4#	1#	1#	-
France	5031	4752	4628	4169	3740	3725#	3462#	3280#	3153#	2875#	-8.8
Germany	8	3	3	5	6	20#	7#	4#	81#	76#	-6.2
Netherlands	14	22	55	49	105	223	127	82#	65#	28#	-56.9
Spain	1579	1973	2128	1791	1991	2282#	1632#	1633#	2157#	1879#	-12.9
United Kingdom	1	-	6	1	1	2#	2#	2#	2#	2#	-
Other EEC	1	-	1	-	-	-	24	-	-	-	-
EFTA	17139	20699	20881	19673	19293	19287	19449	18543	17580	17758	1.0
Austria	-	1	-	8	1	-	-	-	-	-	-
Norway	2945	3083	2578	2532	2530	1757#	1987#	2113#	2098#	2281	8.7
Sweden	14194	17615	18303	17133#	16762	17530#	17462#	16430#	15482#	15477#	-
SOUTH AFRICA	7811	11870	10226	8850	8802	11503#	14566#	17029#	15468	14868#	-3.9
OCEANIA	76501	87680	89014	81895	80555	96433	105900	97170	112699	104158	-7.6
Australia ²	74039#	85480#	86914#	79678#	78594#	94969#	104500#	96156	111458#	102810	-7.6
New Zealand	2462	2200	2100	2217	1961	1464#	1400E	1014#	1241#	1348#	8.6
DEVELOPING COUNTRIES AND TERRITORIES	133894	163568	169096	166336	174453	189385	199700	190510	185512	166437	-10.3
AFRICA	24987	27770	25540	22920	22525	23869	23992	15325	11088	9314	-16.0
Algeria	1398	974	7	48	13	-	20#	18#	15E	10E	-33.3
Liberia	15704	16870	16100	13940	13510	13779	12747	3887#	1015	1273	25.4
Mauritania	7385#	9526#	9333#	8929	9002	10005#	11138#	11356#	9994#	7980#	-20.2
Morocco	-	-	-	-	-	80#	82#	59#	62#	51#	-17.7
Other Africa	500	400	100	3	-	5	5E	5E	-	-	-
AMERICA	85107	106148	110858	111521	118745	128672	137539	137993	138157	125103	-8.4
Bolivia	-	-	-	-	-	15	25#	225#	102#	50	-50.5
Brazil	69961	88571#	91781#	92288#	97288#	105303#	111641#	114296#	114681#	106035#	-7.5
Chile	4700	5600	4800	4846#	5329#	6397#	7422#	6546#	7406#	5723	-22.7
Mexico	-	-	-	-	-	-	#	-	-	91#	-
Peru ²	4200	4091	5242	4360#	4430	4668#	4014	3306#	2582#	2975	15.2
Venezuela	6246	7886	9033	10027#	11698	12289	14437	13620#	13386	10229#	-23.8
ASIA	23900	29650	32700	31905	33183	36845	38181	36667	35969	31820	11.5
India	20700	25700	28800	28135#	28981	32079#	33479#	31585#	31167	27900E	-10.5
Philippines	3100E	3950	3900	3770	4202	4764	4680	5080	4800	3920	-18.3
Other Asia	-	-	-	-	-	2#	2#	2E	2	-	-
EUROPE	-	-	-	-	-	-	8	533	300	200	-33.3
Yugoslavia (former)	-	-	-	-	-	-	8#	533	300E	200E	-33.3
COUNTRIES IN EASTERN EUROPE	43005	45922	43880	46168	45433	43063	39880	38321	27388	27000	-1.4
USSR (former)	42805	45922	43880	46168#	45433#	43063#	39880#	36321#	27388#	27000E	-1.4
of which Russia	-	-	-	-	-	-	-	11615#	9836#	8600	-12.6

1 EEC total: excluding the Community's internal trade.

2 Dry weight.

7. IRON ORE: Exports¹

(thousand tonnes, Fe content)

Region country or area	% Fe	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
WORLD		183450	230269	232835	228932	230052	254399	266346	247850	250622	230845
DEVELOPED MARKET ECONOMY COUNTRIES		84762	100145	99593	93383	92981	105965	113333	105199	114643	106745
AMERICA		18054	22591	23479	22450	21957	22952	22799	19105	21325	19102
Canada	63.3	15610	19349	20211	19527	18687	19596#	19403#	17101	18769	15908
United States	63.2	2444#	3242#	3268#	2923#	3270#	3356#	3396#	2004#	2556	3194
EUROPE		13142	14996	15143	14089	13914	14917	14508	13889	13496	13469
EEC		1	2	2	2	7	39	18	139	52	85
Belgium-Luxembourg	31.5	-	-	5	-	1	2	3	5	4	6
Denmark	-	5	3	3	2	1	-	-	-	-	-
France	31.5	1560	1473	1435	1292	1159	1154	1073	1033	993	905
Germany	15.0	2	1	1	1	1	4	1	1	12	11
Netherlands	57.0	8	13	32	28	60	127	72	47	37	16
Spain	46.0	853	1065	1080	968	1075	1232	881	751	992	864
United Kingdom	22.5	-	-	4	-	-	-	-	-	-	-
EFTA		10714	12441	12583	11798	11617	12397	12478	12052	11458	11667
Norway	65.0	1914	1696	1418	1294	1392	967	1093	1373	1364	1483
Sweden	65.8	8800	10745	11165	10504	10225	11430	11385	10679#	10094#	10184#
SOUTH AFRICA	65.0	4814	7497	6426	5607	5544	7247	8176	11069	10035	9684
OCEANIA		48652	55061	54545	51237	51566	60849	66850	61136	69787	64510
Australia	62.0	47298	53851	53390	50027#	50583	60115	66148	60578	69104	63742
New Zealand	57.0	1354	1210	1155	1210	983	734	702	558	683	768
DEVELOPING COUNTRIES AND TERRITORIES		85893	105785	109886	110667	112992	122596	129085	120859	118548	107900
AFRICA		16336	18205	16896	15527	14909	15782	15839	10032	7211	6076
Algeria	52.0	699	487	4	23	6	-	10#	9#	8	5
Liberia	67.0	10522	11303	10787	9700	9052	9231	8540	2607	670	853
Mauritania	65.0	4812	6175	6045	5804	5851	6503	7240	7381	6496#	5187#
Morocco	60.0	-	-	-	-	-	48	49	35	37	31#
Other Africa		303	240	60	-	-	-	-	-	-	-
AMERICA		54739	68604	72162	72100#	76846	83555#	89159#	87303#	89365	81534#
Brazil	65.0	44775	56685	59658#	59987	63237	68447	72547	72292#	74542	68923
Chile	66.0	3196	3808	3264	3179#	3553	4254	4935	4320#	4740#	3777
Mexico	65.8	-	-	-	-	-	-	-	-	-	59
Peru	65.9	2772	2700	3460	2817#	2920	3010	2589	2179#	1717#	2306
Venezuela	63.2	3996	5411	5780	6117#	7136	7844#	9088#	8512#	8366	6469#
ASIA		14818	18976	20928	23040	21237	23259	24087	23279	22832	20198
India	63.4	12834	16448	18432	20624	18548	20210	21092	20028	19760	17689
Philippines	64.0	1984	2528	2496	2416	2689	3049	2995	3251	3072	2509
EUROPE		-	-	-	-	-	-	-	245#	138	92
Yugoslavia (former)	46.0	-	-	-	-	-	-	-	245#	138	92
COUNTRIES IN EASTERN EUROPE		22795	24339	23256	24882	24079	25838#	23928#	21793#	16433	16200
USSR (former)	60.0	22687	24339	23256	24882	24079	25838#	23928#	21793#	16433	16200
of which Russia	60.0	..	..	..	..	..	..	..	6969	5902	5160

¹ Exports: Quantities of iron ore units exported during the calendar year.

² EEC total: excluding the Community's internal trade.

8. IRON ORE: Network of exports by major region of destination, 1992

(million tonnes, natural weight)

Exports from	Exports to World	Developed market economy countries					Developing countries	Eastern Europe	Socialist Asia ¹
		Total	United States	Japan	EEC	Others			
WORLD	365.3	253.3	12.6	110.8	113.4	15.5	66.0	23.5	23.5
DEVELOPED MARKET ECONOMY COUNTRIES	171.9	123.5	6.9	57.2	48.5	10.9	32.8	0.7	14.9
Australia ²	102.8	63.0	-	49.9	11.1	2.0	26.1	-	13.7
Canada	25.1	23.8	6.8	1.2	15.5	0.3	1.2	0.1	-
EEC	4.9	4.6	-	-	4.6	-	-	0.3	-
Sweden	15.5	12.9	0.1	0.0	10.9	1.9	2.5	0.1	-
South Africa	14.9	10.9	-	4.8	4.3	1.5	3.0	0.1	1.2
Others	8.7	8.6	-	1.3	2.1	5.2	0.0	0.1	-
DEVELOPING COUNTRIES AND TERRITORIES	166.4	125.9	5.7	53.8	64.5	1.1	31.4	1.5	8.6
Brazil	106.0	77.7	2.6	26.6	47.6	0.8	21.4	1.2	5.7
Chile	5.7	4.7	-	3.9	0.8	-	1.0	-	-
India	27.9	19.1	-	16.6	2.2	0.3	6.1	0.1	2.6
Liberia	1.3	1.3	-	-	1.3	-	-	-	-
Mauritania	8.0	7.9	0.3	0.2	7.4	-	0.1	-	-
Peru	3.0	0.7	0.1	0.6	-	-	2.0	-	0.3
Venezuela	10.2	9.5	2.7	1.7	5.1	-	0.5	0.2	-
Others	4.3	4.0	-	3.9	0.1	-	0.3	-	-
COUNTRIES IN EASTERN EUROPE	27.0	3.9	-	-	0.4	3.5	1.8	21.3	-

Note: On the basis of information available to the secretariat as of 15 July 1992.

¹ Socialist Asia: mainly to China (98%).

² Dry weight.

9. PELLETS: Exports

(thousand tonnes)

Country or area	1986	1987	1988	1989	1990	1991	1992
Australia	1,706	2,111	2,011	1,624	1,668	692	600E
Brazil	22,254	19,962	23,765	23,335	20,040	23,975	21,259
Canada	17,488	13,078	17,569	17,325	12,751	14,374	13,298
Chile	3,013	3,264	3,549	3,587	3,423	3,809	2,752
India ¹	154	825	1,640	1,923	1,717	1,300	1,546
Liberia	3,188	3,227	3,201	3,320	1,455	0	0
Norway	..	..	1,060	1,052	1,247	1,337	773
Peru	1,499	1,752	1,515	1,503	1,153	840	1,800
Sweden	6,259	6,143	6,535	6,494	6,499	6,361	6,702
United States	4,551	5,049	5,232	2,874	3,018	4,016	4,653
USSR	10,927	10,866	10,892	11,507	12,316	10,043	10,000E
Venezuela	22	434	849	1,159	1,184	922	1,123
TOTAL	71,061	66,731	75,703	74,929	72,490	67,698	64,506

¹ Fiscal year (April to March) until 1989.

10. IRON ORE: Imports

(thousand tonnes, natural weight)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	% change 92/91
WORLD	316730	369129	378553	367183	370093	398796	408562	399384	394471	373032	-5.4
DEVELOPED MARKET ECONOMY COUNTRIES	232966	277108	280268	262928	261008	288040	292696	289303	288821	264157	-8.5
AMERICA	17553	22383	21824	22384	22080	24917	15954	22168	17955	17781	-1.0
Canada	4013	4947	5800	5367	5213	4791#	5348#	4113#	4620#	5280#	14.3
United States	13540	17436	16024	17017	16867	20126	10606	18053	13335	12501#	-6.3
EUROPE	106209	129302	133907	125251	126852	139277	147161	140479	140734	130433	-7.3
EEC¹	92243#	113790#	119556#	115543#	118507#	126564#	136079#	124286#	126675#	118222#	-6.7
Belgium-Luxembourg	17520	19628	18997	18056	18385	20795#	19787#	20278#	19486#	17995#	-6.7
Denmark	63	1	2	3	8	3#	6#	3#	2#	2#	-
France	12553	16088	16220	16191	15056	18727#	19955#	18807#	18206#	17367#	-4.6
Germany ²	35499	42500	45007	41632	39583	45169#	47170#	43730#	43288	41317#	-4.6
Greece	-	-	-	2	-	-	-	-	-	-	-
Italy	13798	19240	18295	17601	16523	16200#	18201#	17203#	17855#	15064#	-15.6
Netherlands	4979	7238	8507	7066	7049	7562	8153	8303	7892	7523	-4.7
Portugal	471	375	683	543#	764	477#	689#	449#	466#	565#	21.2
Spain	4202	4221	5023	4286	5767	5556#	6935#	6705#	7596#	7098#	-6.6
United Kingdom	13169	14160	15405	14558	18028	17867#	19179#	17622	18523	15799#	-14.7
EFTA	3955	5851	5768	5312	5689	6921	7086	7397	7420	7703	3.8
Austria	2391	3890	3685	3204#	3311	4164	4192#	3892#	3968#	3915	-1.3
Finland	1299	1856	1756	1987#	2261	2400#	2600#	3158	3070#	3308#	7.8
Iceland	13	16	23	25	17	23	17	18	17	17	-
Norway	225	40	230	18	21	193#	23#	12#	27#	108	300.0
Sweden	19	39	68	67#	70#	129	254#	317#	338#	355#	5.0
Switzerland	8	10	6	11	9	12	-	-	-	-	-
ASIA	109152	125371	124513	115234	112034	123377	127709	125290	127186	113743	-10.6
Japan	109152	125371	124513	115234	112034	123377#	127709#	125290#	127186#	113743#	-10.6
OCEANIA	52	52#	24	59	42	469	1872	1350	2946	2200	-25.3
Australia	52#	52#	24#	59#	42#	469#	1872#	1350E	2946#	2200E	-25.3
DEVELOPING COUNTRIES AND TERRITORIES	26447	28819	31472	34395	38473	42574	52250	50546	56404	59078#	4.7
AFRICA	11	16	13	71	63	198	858	367	228	1484#	6.5
Algeria	-	16	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	1264#	-
Nigeria	-	-	-	-	-	152#	770E	300E	150E	150E	-
Tunisia	11	-	13	71	63	46	88	67	78	70E	-10.3
AMERICA	1904	2213	2455	3283	3387	3590	4476	4499	3360	4545	35.3
Argentina	1904	2213	2455	3183	3342	3131#	3816#	3148#	2310#	3574#	54.7
Mexico	-	-	-	100#	45	459#	660#	363#	150E	21#	-86.0
Trinidad and Tobago	-	-	-	-	-	-	-	988#	900E	950E	5.6
ASIA	22964	25024	26824	29694	33942	37300	44611	43682	51016	51849	1.6
Indonesia	1100E	900E	1600E	1400E	1400E	1400E	2000#	2000E	2000E	2100E	5.0
Malaysia	28	414	831	1026	819	452#	912#	1233	1160	1000E	-13.8
Pakistan	914	922	1243	1469	1105	1528	1393	1162	1605	998	-37.8
Qatar	580	752	840E	800E	700E	800E	900E	900E	1000E	1000E	-
Republic of Korea	10121	10287	11167	11941	16607	16479	22790#	22500#	28440#	31779	11.7
Saudi Arabia	288	965	1044	1385	1478	1245	1652	1468	1500E	1450E	-3.3
Taiwan Province of China	5004	5228	4939	5358	6140	8477	8370	7760	8433	7251	-14.0
Turkey	1546#	1849#	1747#	2428#	1532#	2369#	2243#	1952#	2509#	1844#	-26.5
United Arab Emirates	170	100E	100E	180	160	140E	150E	100E	100E	120E	-20.0
Philippines	3200E	3600E	3300E	3700E	4000E	4400E	4200E	4600#	4265	4300E	0.8
Other Asia	13	7	13	7	1	10E	1	7	4E	8E	100.0
EUROPE	1568	1566	2180	1347	1081	1486	2305	1998	1800	1200	-33.3
Yugoslavia (former)	1568	1566	2180	1347	1081	1486#	2305#	1998#	1800E	1200E	-33.3

10. IRON ORE: Imports
(concluded)

(thousand tonnes, natural weight)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	% change 92/91
COUNTRIES											
IN EASTERN EUROPE	52820	57032	56399	57315	57915	54583	50323	44493	30088	23926	-22.8
Bulgaria	2313	2286	2215	2248	2308	2112	1920	1964#	551#	416#	-24.5
Czechoslovakia	15305	15307#	15298#	15409#	15088#	14718#	14073#	14173#	12028	11764#	-2.2
Germany(former G.D.R.)	2971	3179	4324	4100E	4300E	4200E	4000E	2800E	-	-	-
Hungary	3967	4170 ¹	2382	3414	3403	2885#	3263#	3202#	2700E	2400E	-11.1
Poland	13787	17127	16973	16644#	17116	16668#	13441#	11013#	7419	7000E	-5.6
Romania	14477	14963	15207	15500	15700E	14000E	13626#	11341#	7390E	2346#	-68.3
SOCIALIST COUNTRIES											
OF ASIA	4497	6170	10414	12548	12898	13600	13293	15043	18158	25871	35.0
China	4385	5970	10114	12046	12098	12900E	12593#	14343	18458	25171	36.4
Other Socialist Asia	112E	200E	300E	500E	600E	700E	700E	700E	700E	700E	-

¹ EEC total: excluding the Community's internal trade.

² From 1991, unified territory of Germany.

11. EEC: Iron ore imports by origin/destination, 1992

(thousand tonnes, natural weight)

Destination Origin	Germany	France	Italy	Netherlnds	Belgium Luxembrg	United Kingdom	Denmark	Spain	Portugal	EEC
Non agglomerated ores¹										
Total	27,534	16,403	12,431	7,523	17,340	14,114	2	4,875	425	96,163 ^a
of which:										
EEC	3	205	75	379	2,977	840	-	0	5	-
Australia	5,711	3,787	2,202	1,377	1,169	4,698	-	675	-	19,629
Brazil	12,967	6,702	4,466	2,465	6,722	2,778	-	2,069	-	38,069
Canada	4,246	1,344	390	562	1,293	1,679	-	232	95	9,841
Liberia	224	201	576	-	131	-	-	183	224	1,539
Mauritania	346	1,722	1,539	21	1,509	946	-	766	-	6,849
Norway	342	604	-	-	222	169	-	-	-	1,337
South Africa	659	332	1,306	9	75	1,708	-	0	-	4,089
Sweden	2,290	353	-	1,575	1,915	341	2	-	-	6,476
Venezuela	562	463	673	606	1,014	946	-	810	-	5,074
Others	284	680	1,204	529	313	9	-	140	101	3,260
Agglomerated ores²										
Total	13,783	964	2,633	-	655	1,685	-	2,223	140	22,059 ^a
of which:										
EEC	-	-	-	-	-	24	-	0	-	-
Australia	4	-	-	-	-	522	-	-	-	526
Brazil	5,432	-	1,856	-	-	-	-	170	-	7,458
Canada	2,656	828	573	-	45	701	-	363	140	5,306
Liberia	-	-	-	-	-	-	-	-	-	-
Mauritania	-	-	-	-	-	-	-	-	-	-
Norway	914	1	-	-	156	349	-	-	-	1,420
South Africa	-	2	-	-	-	89	-	-	-	91
Sweden	3,678	61	-	-	448	-	-	-	-	4,187
Venezuela	-	-	66	-	-	-	-	60	-	126
Others	1,099	72	138	-	6	-	-	1,630	-	2,945
Total	41,317	17,367	15,064	7,523	17,995	15,799	2	7,098	585	118,222 ^a

Notes: Greece and Ireland are not concerned.

¹ Non-agglomerated ores: fines; lumps; pellet-feed and concentrates.

² Agglomerated ores: pellets or sinter.

^a Third countries only.

12. EASTERN EUROPE: Iron ore imports by origin/destination, 1992

(thousand tonnes, natural weight)

Destination Origin	Poland	Romania	Czechoslovakia	Hungary	Bulgaria
Brazil	340	210	703	-	-
India	-	-	6	-	-
Norway	20	-	-	10	-
Sweden	5	-	25	-	-
USSR(former)	6,300	1,700	10,405	1,490	388
of which: Ukraine	-	-	-	-	24
Venezuela	-	240	43	-	-
Others	335	196	582	900	5
Total	7,000E	2,346	11,764	2,400E	416

13. JAPAN: Iron ore imports by origin, 1992

(thousand tonnes, dry weight)

Origin	Non-agglomerated ¹	Agglomerated ²	Total
Australia	51,730	339	52,069
Brazil	23,034	3,723	26,757
Canada	1,231	-	1,231
Chile	2,186	1,811	3,997
India	16,478	95	16,573
Philippines ⁴	-	3,892	3,892
South Africa	4,845	0	4,845
Total	103,742	10,001	113,743

1 Non-agglomerated ores: fines; lumps; pellet-feed and concentrates.

2 Agglomerated ores: pellets or sinter.

3 Iron ore sands.

4 Sinter produced from fines imported via Japan.

14. REPUBLIC OF KOREA: Iron ore imports by origin, 1992

(thousand tonnes, natural weight)

Origin	Non-agglomerated ¹	Agglomerated ²	Total
Austria	97	-	97
Australia	15,045	165	15,210
Brazil	7,709	61	7,770
Canada	948	-	948
Chile	629	374	1,003
India	4,121	-	4,121
Peru	1,278	676	1,954
United States	118	-	118
Others	557	-	557
Total	30,459	1,276	31,778

1 Non-agglomerated ores: fines; lumps; pellet-feed and concentrates.

2 Agglomerated ores: pellets or sinter.

15. IRON ORE: Value of Exports¹

(million dollars)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
WORLD	6536.8	7015.2	7042.7	6909.2	6885.2	7476.1	8181.1	8424.2	8415.6	7718.4
DEVELOPED MARKET ECONOMY COUNTRIES	2927.3	3141.8	3120.4	2860.0	2698.7	3034.7	3369.9	3680.8	3933.8	3731.9
AMERICA	956.0¹	1098.0	1097.3	1001.9	928.9	1010.7	992.0	842.6	934.1	852.2
Canada	773.3	858.7	857.1	797.1	730.6	816.9#	799.3#	719.4#	777.7#	665.4
United States	182.7	239.3	240.2	204.8	198.3	193.8	192.7	123.2#	156.4#	186.8#
EUROPE	366.8	433.1	458.0	404.0	441.1	474.8	536.0	568.7	520.2	585.4
EEC²	0.4#	0.6#	0.5#	0.9#	1.0#	1.1#	2.2#	5.7#	3.7#	5.3#
Belgium-Luxembourg	-	-	0.6	0.1	0.2	0.7#	0.8#	1.4#	0.9#	1.2
Denmark	0.2	0.1	0.1	0.1	0.1	-	-	-	-	-
France	26.3	21.7	21.8	26.2	28.7	29.6#	27.1#	31.1	29.6#	28.7#
Germany	0.5	0.4	0.3	0.5	0.7	1.1#	0.8#	0.6#	2.3#	2.5
Greece	-	-	-	-	-	-	24.0#	-	-	-
Italy	0.1	0.1	-	0.1	-	-	0.2#	0.1#	0.1#	0.1#
Netherlands	1.5	1.3	2.5	1.2	5.3	7.7#	6.1	5.3	4.8#	3.0#
Spain	14.3	16.2	19.3	16.3	17.5	19.5#	15.3#	17.7#	27.9#	23.7#
United Kingdom	0.1	-	0.1	0.2	0.2	0.3#	0.2#	0.5#	0.4#	0.5#
EFTA	323.8	393.3	413.3	359.3	388.4	415.9	461.5	512.0	454.2	525.7
Austria	-	0.1	-	0.3	-	-	-	-	-	-
Norway	69.6	66.4	54.8	55.3	53.4	42.5#	50.0#	61.5#	63.7#	66.3
Sweden	254.2	326.8	358.5	303.7#	335.0	373.4	411.5#	450.5#	390.5	459.4#
SOUTH AFRICA	158.8	168.1	145.7	132.1	131.8	146.1#	209.2#	299.0#	285.2#	219.0#
OCEANIA	1445.7	1442.6	1419.4	1322.0	1196.9	1403.1	1632.7	1970.5	2194.3	2075.3
Australia	1420.0#	1421.0#	1400.0#	1300.9#	1181.6#	1390.8#	1620.0#	1960.0#	2183.0#	2060.0
New Zealand	25.7	21.6	19.4	21.1	15.3	12.3#	12.7#	10.5#	11.3#	15.3#
DEVELOPING COUNTRIES AND TERRITORIES	2643.4	2913.1	3021.1	2927.2	2971.1	3298.1	3763.6	3757.2	3736.8	3285.2
AFRICA	403.1	438.3	429.3	384.8	352.1	365.0	473.1	315.0	217.6	194.4
Algeria	16.0	10.7	0.1E	0.5	0.2E	-	0.3#	0.3E	0.2E	0.2E
Liberia	267.3	282.2	279.4	241.0	217.9	220.0E	286.0E	93.0E	24.0E	29.0E
Mauritania	114.0#	141.1#	148.7#	143.0#	134.0#	143.5#	185.1#	220.2#	192.0E	164.1#
Morocco	-	-	-	-	-	1.3#	1.5E	1.3#	1.4#	1.1E
Other Africa	5.8E	4.3E	1.1E	0.1	-	0.2	0.2	0.2	-	-
AMERICA	1774.9	1971.2	2031.3	2017.8	2052.0	2286.1	2647.5	2876.3	3043.3	2650.0
Bolivia	-	-	-	-	-	0.2	0.3	3.0E	1.4E	0.6
Brazil	1426.5E	1605.3	1658.0	1624.0	1615.4#	1900.4#	2176.0#	2436.5#	2603.9#	2303.4#
Chile	112.0	111.0	91.0	92.3#	95.7#	105.4	141.0E	125.0#	141.0E	108.0E
Peru	74.8	57.9	72.8	74.3#	70.9	61.0#	60.2E	51.8#	42.0E	45.0E
Venezuela	161.6E	197.0E	209.5E	227.0E	270.0	219.1#	270.0E	260.0E	255.0E	193.0E
ASIA	465.4	503.6	560.5	525.0	567.0	647.0	642.0	562.0	473.4	439.2
India	371.9	409.6	477.5	435.0#	470.0E	540.0E	570.0E	485.0#	395.0E	360.2E
Philippines	93.0E	94.0E	83.0E	90.0E	97.0E	107.0E	72.0E	77.0E	78.4	79.0E
Other Asia	0.5	-	-	-	-	-	-	-	-	-
EUROPE	-	-	-	-	-	-	1.0	3.9	2.5	1.6
Yugoslavia (former)	-	-	-	-	-	-	1.0#	3.9#	2.5E	1.6E
COUNTRIES IN EASTERN EUROPE	965.9	960.3	901.2	1122.0	1215.4	1143.3	1047.6	986.2	745.0	730.0
USSR (former)	960.9	960.3	901.2	1122.0	1215.4	1143.3	1047.6	986.2#	745.0E	730.0E

¹ Value of exports: f.o.b. value of iron ore exported, converted to United States dollars using exchange rates indicated by governments, or converted on the basis of exchange rates supplied by I.M.F.

² EEC total: excluding the Community's internal trade.

16. IRON ORE: Value of Imports¹

(million dollars)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
WORLD	8274.1	8793.2	9004.6	8788.0	8408.5	9026.6	10453.9	11121.6	11421.6	10743.8
DEVELOPED MARKET ECONOMY COUNTRIES	6463.5	6883.8	6918.1	6619.1	6297.0	6815.6	7668.6	8383.6	8476.7	7765.4
AMERICA	717.3	854.1	809.2	760.9	672.6	753.9	720.2	793.3	596.3	579.7
Canada	189.3	226.1	255.6	212.0	194.6	185.1#	197.9#	146.1#	159.7#	184.1
United States	528.0E	628.0E	553.6	548.9	478.0	568.8	522.3#	647.2#	436.6#	395.6#
EUROPE	2599.3	2829.1	3063.5	3098.1	3005.9	3203.8	3771.1	4186.2	4147.6	3939.7
EEC²	2323.3#	2508.2#	2721.5#	2829.1#	2814.6#	2898.6#	3298.4#	3612.4#	3799.6#	3520.8#
Belgium-Luxembourg	278.5	307.7	336.5	335.2	341.1	390.5#	404.2#	485.1#	497.4#	472.3#
Denmark	2.8	0.3	0.4	0.8	0.9	- #	1.1	0.8#	0.7#	0.6
France	311.7	338.9	359.5	347.7	300.2	377.5#	473.6#	510.6#	521.0#	487.8#
Germany	965.9	1029.2	1122.9	1266.7	1121.0	1172.6#	1328.2#	1472.1#	1458.8#	1419.0#
Greece	-	-	0.1	0.3	-	- #	-	-	-	-
Italy	349.4	432.0	407.9	389.3	354.4	289.9#	455.9#	472.4#	502.4#	425.3#
Netherlands	100.4	137.0	166.7	154.2	146.8	146.0	144.0	174.0	160.9	171.1
Portugal	12.1	9.5	17.5	12.8	18.6	13.0#	18.7#	14.8#	17.4#	16.8#
Spain	111.3	106.9	125.2	100.7	125.5	138.9#	193.8#	207.6#	232.0#	204.4#
United Kingdom	353.5	302.9	371.8	341.7	432.7	473.5#	502.2#	588.3#	512.3#	480.0#
EFTA	113.7	164.7	155.0	148.7	164.7	201.9	249.4	260.5	244.7	262.4
Austria	75.5	121.8	111.3	99.2	110.6	144.3	143.6	152.7	134.7	147.2
Finland	32.3	39.4	36.5	44.7#	49.5	45.4#	95.0#	96.0	92.4#	97.4
Iceland	0.6	0.6	0.9	1.0	0.7	1.0	0.8	0.9	0.9	0.8
Norway	4.3	1.3	3.7	0.7	0.8	5.3#	0.9#	0.9#	1.1#	3.4#
Sweden	0.8	1.4	2.5	2.9#	2.9	5.7	9.1	10.0#	15.6	13.6#
Switzerland	0.2	0.2	0.1	0.2	0.2	0.2	-	-	-	-
ASIA	3145.4	3199.1	3044.9	2759.3	2618.4	2852.7	3137.3	3374.1	3644.8	3194.4
Japan	3145.4	3199.1	3044.9	2759.3	2618.4	2852.7	3137.3	3374.1	3644.8	3194.4#
OCEANIA	1.5	1.5	0.5	0.8	0.1	5.2	40.0	30.0	66.0	51.6
Australia	1.5#	1.5	0.5	0.8#	0.1#	5.2#	40.0#	30.0#	66.0E	51.6
DEVELOPING COUNTRIES AND TERRITORIES	737.3	807.0	900.1	904.1	952.2	1084.3	1454.6	1523.0	1787.0	1705.6
AFRICA	0.3	0.2	0.7	1.9	1.3	6.4	12.6	10.2	6.3	5.9E
Algeria	-	0.2	-	-	-	-	-	-	-	-
Nigeria	..	..	..	-	-	5.0	10.0E	8.0E	4.0E	4.0E
Tunisia	0.3	-	0.7	1.9	1.3	1.4	2.6	2.2	2.3	1.9E
AMERICA	81.0	68.1	75.5	98.6	101.4	127.6	158.5	144.7	112.5	144.7
Argentina	61.0	68.1	75.5	95.1	99.7	102.4#	137.0#	126.5	105.0E	144.0E
Mexico	-	-	-	3.5#	1.7	25.2#	21.5#	18. #	7.5E	0.7#
ASIA	632.5	698.9	765.1#	770.5	812.7	890.7	1192.5	1327.8	1642.2	1533.0
Indonesia	30.5E	24.0E	46.0E	42.5E	42.0E	46.0E	70.0E	74.0E	75.0E	70.0E
Malaysia	0.8	11.9	26.9	30.5	24.5	15.4#	38.1#	58.6	51.8	40.0E
Pakistan	35.4	31.2	35.9	38.8	29.2	46.9	46.8	36.9	53.6	48.8
Philippines	83.0E	80.0E	76.0E	82.5E	86.0E	92.0E	95.0E	97.0E	89.5	90.0E
Qatar	24.4E	29.7E	33.7E	31.3E	28.0E	30.0E	34.0E	36.0E	38.0E	36.0E
Republic of Korea	253.9	282.7	318.9	293.8	363.0	345.5	549.9#	642.5#	891.5#	879.8
Saudi Arabia	14.7E	48.3E	53.2E	49.9	49.4	49.7	78.6	81.8	83.0E	81.0E
Singapore	0.4	0.2	0.3	0.2	0.2	0.2E	0.2	0.7	0.2	0.2E
Taiwan Province of China	139.3	130.0	118.3	126.3	146.3	187.7	211.0	227.6	264.0	215.7
Turkey	47.1#	58.9#	53.9#	72.8#	42.1#	75.3#	64.9#	69.7#	92.6#	68.5#
United Arab Emirates	3.0E	2.0E	2.0E	1.9E	2.0E	2.0E	4.0E	3.0E	3.0E	3.0E
EUROPE	43.5	39.8	58.8	33.1	36.8	59.8	91.0	40.3	36.0	22.0
Yugoslavia (former)	43.5	39.8	58.8	33.1	36.8#	59.6#	91.0#	40.3#	36.0E	22.0E

16. IRON ORE: Value of Imports¹
(concluded)

(million dollars)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
COUNTRIES										
IN EASTERN EUROPE	954.5	942.8	922.9	921.8	877.8	852.7	986.8	806.4	591.5	494.0
Bulgaria	41.2E	38.2E	35.5E	35.0E	51.7E	51.3E	50.5E	42.9#	15.0E	14.0E
Czechoslovakia	375.8	360.4	344.4	358.4	290.0	272.0E	280.0E	284.0E	273.0#	265.0E
Germany(former German Dem. Rep.)	52.3E	52.0E	68.0E	66.0E	69.0E	62.0E	102.2#	75.0E	-	-
Hungary	42.4	41.7E	40.3	46.6	51.2	47.0E	58.1#	51.5	53.5	45.0E
Poland	189.5	203.1	192.7	167.8	163.9	157.4	236.0E	209.0E	150.0E	130.0E
Romania	253.3E	247.4E	242.0E	248.0E	252.0E	263.0E	260.0E	144.0#	100.0E	40.0E
SOCIALIST COUNTRIES										
OF ASIA	118.8	159.6	263.5	343.0	281.5	274.0	343.9	408.8	578.4	778.8
China	116.3	156.5	258.8	335.4	269.5	260.0	329.9#	394.1	563.4	764.3
Democratic People's Rep. of Korea	2.5E	3.1E	4.7E	7.6E	12.0E	14.0E	14.0E	14.5E	15.0E	14.5E

¹ Value of Imports: c.i.f. value of iron ore imported expressed in United States dollars converted using exchange rates indicated by governments or on the basis of rates supplied by I.M.F.

² EEC total: excluding the Community's internal trade.

17. IRON ORE: Apparent Consumption¹

(thousand tonnes, natural weight)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	% change 92/91
WORLD	781087	871758	911740	917390	932687	957482	974370	980994	946724	910424	-3.8
DEVELOPED MARKET ECONOMY COUNTRIES	307048	374796	382503	357631	365692	381032	389974	393751	385151	358701	-6.8
AMERICA	60820	78628	73914	62961	71489	87033	79381	83417	76848	76956	0.1
Canada	12561	14165	13474	11051	12071	14677	16268	13105	12043	14597	21.1
United States	48259	64463	60440	51910	59418	72356	63113	70312	64805	62359	3.8
EUROPE	130748	154139	158048	148423	144853	154128	163059	153098	152921	139462	-8.8
EEC	122458	142527	145321	134888	131912	140546	148891	137064	134441	126438	-5.9
Belgium-Luxembourg	17560	19628	18982	18055	18382	20788	19776	20262	19473	17975	-7.7
France	23702	26366	26072	24582	22882	24874	25812	24247	22545	20198	-10.4
Germany	36471	43477	46034	42344	39824	45219	47265	43810	43325	41350	-4.6
Italy	13797	19240	18294	17601	16523	16200	18201	17203	17855	15064	-15.6
Netherlands	4965	7216	8452	7017	6944	7339	8026	8221	7827	7495	4.2
Portugal	501	405	753	593	794	502	709	469	466	565	2.1
Spain	10563	10209	9358	8549	8268	7536	9913	8102	9354	7965	-4.8
United Kingdom	13548	14540	15669	14846	18290	18089	19209	17673	18578	15825	-14.8
EFTA	8290	11612	12727	13535	12941	13582	14168	13112	13497	13024	-3.5
Austria	5931	7489	6985	6316	6360	6464	6602	6192	6088	5565	-8.6
Finland	2159	2756	2556	2630	2909	2957	2600	3158	3070	3308	7.7
Iceland	13	16	23	25	17	23	17	18	17	17	-
Norway	820	797	1122	1146	631	1080	394	-20	138	-21	..
Sweden	-641	544	2035	3407	3015	3046	4555	3764	4184	4155	-0.7
SOUTH AFRICA	8794	12628	14713	15633	13206	13744	15392	13282	13484	13358	-0.9
ASIA	109450	125695	124851	115525	112329	123655	127960	125498	127386	113783	-10.7
Japan	109450	125695	124851	115525	112329	123655	127960	125498	127386	113783	-10.7
OCEANIA	-2764	3708	10977	15089	23815	2472	4182	18478	14512	15142	4.3
Australia	-2502	3618	10557	14396	23196	1584	3182	17194	13488	14390	6.7
New Zealand	-262	90	420	693	619	888	1000	1282	1024	752	-26.6
DEVELOPING COUNTRIES AND TERRITORIES	90489	96684	114132	131057	132934	134845	142860	145805	152983	160025	4.6
AFRICA	4738	4829	7016	9301	8385	6311	8215	7610	7350	8115	10.4
Algeria	2286	2706	3373	3312	3562	3400	2728	2912	2685	2690	0.2
Egypt	2060	1889	2120	1999	2112	2400	2400	2420	2371	3242	36.7
Liberia	-294	-770	20	1660	296	-971	-447	94	185	432	133.5
Mauritania	-785	-526	-130	333	118	-223	976	60	200	114	-43.0
Morocco	300	200	140	200	204	37	44	-9	-8	20	..
Nigeria	-	-	-	-	-	152	770	300	150	150	-
Tunisia	311	310	323	378	353	267	273	253	263	259	-3.7
Zimbabwe	1000	1000	1200	1419	1720	1249	1471	1580	1496	1208	-19.4
AMERICA	37617	42525	54853	57358	56430	60466	59608	59357	58039	61835	6.5
Argentina	2904	2913	3355	3893	4142	4293	4493	3592	2399	3576	49.1
Bolivia	-	-	-	-	-	-	-11	-100	0	50	..
Brazil	22139	23529	36419	36766	36817	40697	42102	38007	35976	39785	10.6
Chile	470	-10	1040	1480	802	898	690	1265	1285	1431	11.4
Colombia	456	441	455	523	615	615	600	628	607	600	-1.1
Mexico	8420	10543	8103	7681	7419	8289	8198	8477	9288	7693	-17.2
Peru	25	-60	-250	835	1137	-510	-79	1	1011	-75	..
Trinidad and Tobago	..	..	..	..	..	..	..	988	900	950	5.6
Venezuela	3203	5169	5731	6180	5498	6184	3615	6499	6573	7825	19.1

17. IRON ORE: Apparent Consumption
(concluded)

(thousand tonnes, natural weight)

Region country or area	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	% change 92/91
ASIA	41548	42429	44605	56433	61075	61139	68302	73242	83922	87775	4.6
India	17389	16610	15290	23034	22354	17882	17955	22117	25717	26972	4.9
Indonesia	1100	900	1600	1400	1400	1400	2000	2000	2000	2100	5.0
Iran, Islamic Rep. of	..	..	1000	2000	3000	4300	5630	5500	6184	7000	13.2
Malaysia	128	574	1013	1234	980	659	1103	1579	1542	1270	-17.6
Pakistan	914	922	1243	1469	1105	1528	1393	1162	1605	998	-37.8
Philippines	133	-347	-600	-70	-202	-364	-480	-480	-535	380	..
Qatar	580	752	840	800	700	800	900	900	1000	1000	-
Republic of Korea	10712	10841	11709	12466	17117	17151	23134	22870	28730	32079	11.7
Saudi Arabia	288	965	1044	1385	1478	1245	1652	1468	1500	1450	-3.3
Taiwan Province of China	5004	5228	4939	5358	6140	8477	8370	7760	8433	7251	-14.0
Thailand	70	70	94	37	97	99	160	132	228	459	101.3
Turkey	5047	5807	6320	7133	6745	7812	6334	8107	7394	6669	-9.8
United Arab Emirates	170	100	100	180	160	140	150	100	100	120	20.0
EUROPE	6588	6881	7658	7965	7064	7029	6735	5597	3672	2300	-37.4
Yugoslavia (former)	6586	6881	7658	7965	7064	7029	6735	5597	3672	2300	-37.4
COUNTRIES IN EASTERN EUROPE	260773	264298	266451	267526	269324	265125	257143	247545	204642	160389	-21.6
Bulgaria	4116	4349	4200	4427	4165	3938	3533	3043	1409	765	-45.7
Czechoslovakia	17208	17176	17122	17193	16886	16491	15853	15883	13768	12490	-9.3
Germany (former (German Dem. Rep.)	3011	3215	4324	4100	4300	4200	4000	2800	-	-	-
Hungary	4182	4363	2566	3414	3403	2885	3263	3202	2700	2400	-11.1
Poland	13797	17138	16985	16853	17122	16674	13448	11019	7424	7000	-5.7
Romania	16464	16879	17494	17931	17981	16000	15626	11919	7867	2734	-65.2
USSR (former)	202195	201178	203760	203808	205467	204937	201420	199679	171474	135000	-21.3
SOCIALIST COUNTRIES OF ASIA	122777	136000	148654	161176	164718	176380	184393	183883	203948	231309	13.4
China	114665	127800	140354	152676	156118	167680	174693	183693	193748	221109	14.1
Democratic People's Republic of Korea	8112	8200	8300	8500	8600	8700	9700	10200	10200	10200	-

¹ Apparent consumption: relates to production plus imports minus exports. Stocks not considered.

18. IRON ORE: Reported consumption¹

(thousand tonnes, natural weight)

Country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Algeria	..	..	..	2629#	..	..	2776#	2739#	..	..
Argentina	..	..	..	..	..	3753#	4675#	..	..	..
Australia	7857	9445	8088	10000#	..	..	10010#	10000#	9363#	..
Austria	5547	6309	6300	6385#	5665	5850	..	6104#	..	..
Brazil	19106#	26322	27558	28698	32043#	..	26959	23747	24429#	25205#
Canada	13103#	14620#	15009#	14185#	14929#	14871#	15571#	11219#	12506#	..
Chile	..	..	..	..	..	..	1095	..	..	..
Colombia	..	..	..	..	..	615#	..	725#	705#	..
Czechoslovakia	16017#	15939#	15689#	15787#	15875#	15664#	..	..	..	12643#
EEC	128428	138668	144205	132627	131840	152002	152988#	146771#	145210#	133663#
Belgium-luxembourg	18503	20539	19776	18372	18198	19765#	19288#	19752#	20081#	17904#
France	25620	26462	26606	24311	22701	24816#	25440#	24393#	23252#	22131#
Germany	37817	42719	45204	41477	40550	50295#	50964#	46735#	48598#	44586#
Italy	15835	17520	19352	18225	17090	19384#	18787#	18554#	16833#	13759#
Netherlands	5563	7284	7433	7047	7181	7979#	8228#	7901#	7479#	7678#
Portugal	576	478	616	636	639	729#	621#	554#	419#	656#
Spain	11299	10159	10042	8175	7795	7860#	9186#	8814#	9116#	8209#
United Kingdom	13215	13507	15176	14384	17682	21174#	20474#	20068#	19432#	18740#
Egypt	..	..	..	..	..	..	..	3980#	4407#	3337#
Finland	3010	3201	2964	3084#	3169	3370#	3540#	..	3035#	3783#
Germany (former G.D.R.)	3713	3891	3940	4416	4405	..	4307	..	..	..
Hungary	4083	4054	3817	3673	3563	2885#	3680#	..	..	..
Japan ²	101198	111598	111701	103046	101238	129369#	131573#	132161#	131989#	120538#
India	..	..	..	..	26159#	28524#	..	..	..	..
Iran, Islamic Rep. of	..	..	..	..	..	..	..	..	3333#	..
Malaysia	..	..	..	..	..	201#	154#	..	..	170#
Mexico	..	..	5163	9138#	9109#	10983#	10049#	9687#	..	7453#
Morocco	..	..	..	..	..	17#	..	..	..	..
Norway	1116	1034	1133	..	722	673#	..	..	..	..
Peru	190	74	332	413#	357	..	..	..	..	..
Philippines	..	..	..	..	..	34#	..	..	..	..
Poland	17307	17724	17218	18589#	18161	16245#	..	..	..	..
Republic of Korea	..	..	..	..	..	..	23000#	22968	27890#	..
Romania	..	..	..	..	..	..	..	13500#	..	..
Saudi Arabia	..	..	..	1750#	..	..	..	..	..	..
South Africa	..	..	..	..	..	..	..	..	..	11330#
Sweden	3116	3464	..	2206#	3500e	3749	4357#	3881#	4363#	3975#
Syrian Arab Republic	..	..	..	..	..	..	..	10#	..	..
Trinidad and Tobago	..	..	..	..	..	..	..	1020#	..	..
Thailand	..	..	..	..	..	..	..	..	..	260#
Tunisia	..	..	..	..	..	350#	203#	..	..	..
Turkey	2620	4552	4436	3705	5736	7504#	6744#	8134#	7557#	7444#
United States	63050#	68450#	66049#	57513#	62425#	73602#	73662#	73615#	63662#	73704#
Venezuela	4294	4324	4823	5453#	5498	5086	4595#	4977#	6735#	4941#
Yugoslavia (former)	5480	..	..	6202	11466	4498	6220#	..	..	..
Zimbabwe	..	..	..	1142#	..	1024#	993#	1030#	841#	884#

¹ Reported consumption: relates to domestic and imported ores in any form (ore, pellets, sinter) consumed in iron and steel plants, as well as ores consumed for non-metallurgical uses. Excluding as far as possible iron ore consumed in agglomeration plants.

² Dry weight.

19. IRON ORE: Reported consumption by product, 1992

(thousand tonnes)

Country or area	Non-agglomerated ores							Agglomerated		TOTAL
	Run of mine ¹	Lumps ²	Fines ³	Concentrates ⁴	Pellet-feed ⁵	Others	Total	Pellets ⁶	Sinter ⁷	
EEC	..	..	..	..	..	..	15,793	25,099	92,771	133,663
Belgium	..	..	..	..	..	..	1,736	1,170	10,771	13,677
France	..	..	..	..	..	..	3,231	374	18,526	22,131
Germany	..	..	..	..	..	..	4,641	13,363	26,582	44,586
Italy	..	..	..	..	..	..	1,500	3,076	9,183	13,759
Luxembourg	..	..	..	..	..	..	171	-	4,056	4,227
Netherlands	..	..	..	..	..	..	52	3,831	3,795	7,678
Portugal	..	..	..	..	..	..	1	226	429	656
Spain	..	..	..	..	..	..	372	1,842	5,995	8,209
United Kingdom	..	..	..	..	..	..	4,089	1,217	3,434	18,740
Egypt	-	1,071	990	-	-	-	2,061	1,276	-	3,337
Finland	-	-	-	-	-	-	-	639	3,144	3,783
Japan	..	..	..	..	..	..	20,085	9,144	91,309	120,538
South Africa	11,330	-	-	-	-	-	11,330	-	-	11,330
Sweden	-	57	869	144	-	-	1,070	2,905	-	3,975
Turkey	-	1,244	-	-	-	-	1,244	1,773	4,427	7,444
U.S.A.	-	2,055	-	-	-	-	2,055	60,199	11,528	73,701
Venezuela	-	421	4,520	-	-	-	4,941	-	-	4,941
Zimbabwe	-	727	-	-	-	-	727	-	157	884

- 1 Marketable unprepared iron ore with more than 20 per cent fines.
- 2 Marketable iron ore between 10 and 30mm with usually less than 20 per cent fines.
- 3 Marketable fine ore, usually below 10mm (or similar size).
- 4 Marketable product from a concentrate plant.
- 5 Fine ore or concentrate very fine, usually below 0.1mm.
- 6 Iron ore fines agglomerated into a rough ball shape typically 10mm.
- 7 Agglomerated fines or concentrates and other iron-bearing materials.

20. IRON ORE: Reported stocks¹

(thousand tonnes)

Country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Algeria (Total)	..	..	..	..	614#	..	..	805#	708#	..
(producers)	..	..	..	..	..	..	597#	478#	..	..
(consumers)	..	..	..	..	..	..	208#	230#	..	..
Austria (Total)	..	..	1623	..	..	..	1237#	..	..	..
(producers)	..	..	..	380#	..	..	219#	294#	..	..
(consumers)	..	..	..	1243#	..	..	..	943#	..	..
Bolivia (producers)	..	..	..	..	..	..	3#	..	..	..
Brazil (producers)	35887	32245	..	..	..	1342#	..	..	6945#	..
Canada (Total)	12492	10213	11179	9927	6846	7489	8856	..	..	..
(producers)	8322	5211	6796	5306	2449	3156#	4388#	..	5366#	..
(consumers)	4170	5002	4383	4621	4397	4333#	4468#	..	..	..
Chile (Total)	..	..	..	2963	..	..	..	..	..	..
(producers)	..	..	..	1142#	1046#	1095#	..	1062#	767#	..
(consumers)	..	..	..	1821#	..	..	..	..	..	..
Czechoslovakia (consumers)	..	..	..	..	..	..	..	..	..	793#
EEC² (Total)	22578	19581	17955	21009	19536	17850	19249	17361	17683#	..
(producers)	6656#	3641#	2346#	3742#	3040#	1972#	1573#	1620#	1482#	..
(consumers)	15922#	15940#	15609#	17267#	16496#	15878#	17676	15741#	16201#	..
Belgium (consumers)	1263#	1335#	1309#	1319#	1299#	1284#	1336#	1381#	1580#	..
France (Total)	9619#	6507#	5450#	5304#	5328#	3636#	3635#	3665#	3394#	2972#
(producers)	5553#	3020#	2194#	2036#	2060#	1069#	680#	1141#	976#	848#
(consumers)	4066#	3487#	256#	3268#	2856#	2567#	2955#	2524#	2418#	2124#
Germany (Total)	4483#	4080#	3793#	4210#	3569#	3332#	3388#	3252#	3642#	3887#
(producers)	883#	621#	152#	209#	82#	22#	48#	44#	66#	80#
(consumers)	3600#	3459#	3641#	4001#	3487#	3310#	3340#	3208#	3576#	3807#
Italy (Total)	1548#	1812#	1902#	1976#	1809#	2118#	2569#	1976#	2039#	1926#
(producers)	220#	0#	0#	0#	0#	0#	0#	0#	0#	0#
(consumers)	1328#	1812#	1902#	1976#	1809#	2118#	2569#	1976#	2039#	1926#
Luxembourg (consumers)	1239#	1088#	1273#	1271#	1126#	961#	1017#	984#	905#	..
Netherlands (consumers)	1110#	1217#	1312#	1411#	1463#	1347#	1365#	1227#	1513#	..
Portugal (consumers)	..	..	..	123#	138#	89#	192#	104#	95#	..
Spain (Total)	..	..	..	2085	1686	1910	1896	1488	1597#	1733#
(producers)	1259#	1855#	1370#	1497#	898#	881#	845#	435#	440#	307#
(consumers)	..	..	..	588#	788#	1029#	1051#	1053#	1157#	1426#
United Kingdom (consumers)	3316#	3542#	2916#	3310#	3530#	3173#	3851#	3284#	2898#	..
Egypt (Total)	..	..	..	..	513	..	..	1080	700#	2542#
(producers)	..	..	..	..	455#	..	..	340#	200#	1390#
(consumers)	..	..	..	..	58#	..	..	740#	500#	1152#
Finland (Total)	..	..	..	260	..	..	..	..	235	332#
(producers)	..	..	..	8#	..	..	..	..	..	..
(consumers)	..	..	..	252#	..	200#	260#	..	235#	332#
Hungary (consumers)	..	..	..	..	..	227#	455#	320#	..	..
Iran, Islamic Rep. of (Total)	..	..	..	260	..	..	..	..	1827	..
(producers)	..	..	..	..	..	..	..	..	1189#	..
(consumers)	..	..	..	252#	..	..	..	..	638#	..
Japan ³	15507	15934	15291	17494	14232	17118#	19171#	16165#	16725#	14192#
Liberia	..	..	..	..	2500	1800	..	..	..	..
Malaysia (producers)	..	..	..	..	..	22#	1#	..	..	..
Mauritania (producers)	..	..	..	..	..	342#	866#	1426#	381#	1100#
Mexico (Total)	..	..	..	3381	..	..	794	1366#	..	..
(producers)	..	..	..	3294#	..	..	274#	619#	..	644#
(consumers)	..	..	..	87#	..	..	520#	747#	..	310#
Morocco (producers)	..	..	..	..	..	68#	..	67#	6#	..
Norway (producers)	..	..	..	..	..	..	751#	..	..	..
Peru (producers)	..	..	..	1280#	..	781#	..	502#	1189#	..
(consumers)	..	..	..	..	..	..	..	..	49#	..

20. IRON ORE: Reported stocks¹

(concluded)

(thousand tonnes)

Country or area	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
Philippines (consumers)	4#	..	277#	..	..
Poland (consumers)	4432#	..	9365#	..	..	..	..
Republic of Korea (Total)	1410	1455	2200	..
(producers)	85	90	102	111	..	..	10#	..	-#	..
(consumers)	1400#	..	2200#	..
Romania (Total)	243	..	..
(producers)	174#	..	..
(consumers)	69#	..	..
Saudi Arabia (consumers)	230	..	..	..	..	..	..	..
Sweden (Total)
(consumers)	1960#	..	..	..	..	..	..
(producers)	1752#	2002#	1879#	2224#
Turkey (Total)	3091	3926	..	2734	2480#
(producers)	1793#	2310#	..	1329#	1273#
(consumers)	1298#	1616#	2326#	1405#	1207#
United States (Total)	33315	32739	29858	22551	22877	20182	25900	22977	28400	22857
(producers)	7125	7453	7071	5113	6312	3296	4575	4795#	4853#	3783#
(consumers)	25902	24401	21631	17438	16565	16886	15730#	15911#	17612#	19074#
Venezuela (producers)	2033#	2845#	1184#	1969#	1670#	..
Yugoslavia (former) (Total)	542	1917#	..	..	..
(producers)	259#	79#	..	..	..
(consumers)	283#	1838#	..	..	..
Zimbabwe (Total)	5327	..	4782	5848	6045	7124	6833
(producers)	3854#	..	4130#	4789#	5091#	5614#	5743#
(consumers)	1473#	..	652#	1059#	954#	1510#	1090#

¹ Reported stocks: inventories at the end of calendar year (31 December) held by producers at mines, plants or loading docks; or by consumers at iron, steel or sinter plants, as well as in receiving docks.

² EEC total: EUR 10(1981-1984), as of 1985 EUR 12. Ireland, Greece and Denmark are not included.

³ Dry weight.

21.A IRON ORE: Reported stocks by products (producers), 1992

(thousand tonnes)

Country or area	Non-agglomerated ores							Agglomerated	
	Run of mine ¹	Lumps ²	Fines ³	Concentrates ⁴	Pellet-feed ⁵	Others	Total	Pellets ⁶	Sinter ⁷
EEC	..	..	..	..	..	..	..	-	-
France	..	..	..	..	..	..	848	-	-
Germany	..	..	..	..	..	..	80	-	-
Spain	..	..	..	..	..	..	307	-	-
Egypt	200	1,100	90	-	-	-	1,390	-	-
Mauritania	144	26	610	320	-	-	1,100	-	-
Mexico	45	-	64	81	90	-	280	354	10
Sweden	-	388	900	27	-	-	1,315	909	-
Turkey	1,180	-	-	-	-	-	1,180	92	-
Venezuela	-	1,339	829	-	-	-	2,168	-	-
Zimbabwe	79	329	5,335	-	-	-	5,743	-	-

21.B IRON ORE : Reported stocks by products (consumers), 1992

(thousand tonnes)

Country or area	Non-agglomerated ores							Agglomerated	
	Run of mine ¹	Lumps ²	Fines ³	Concentrates ⁴	Pellet-feed ⁵	Others	Total	Pellets ⁶	Sinter ⁷
Czechoslovakia	..	12	341	226	-	-	579	191	23
EEC	..	..	..	..	..	..	..	..	..
Belgium	..	..	..	..	..	..	..	..	..
France	..	..	..	..	..	..	1,638	140	346
Germany	..	..	..	..	..	..	2,748	701	359
Italy	..	..	..	..	..	..	1,298	594	34
Luxembourg	..	..	..	..	..	..	..	..	..
Netherlands	..	..	..	..	..	..	704	145	58
Portugal	..	..	..	..	..	..	..	..	..
Spain	..	..	..	..	..	..	964	330	132
United Kingdom	..	..	..	..	..	..	..	..	..
Egypt	500	260	240	-	-	-	1,000	152	-
Finland	-	-	-	210	-	-	210	21	40
Japan	..	..	..	..	..	..	11,346	1,123	1,723
Mexico	-	-	-	-	90	-	90	220	-
Turkey	304	485	286	27	-	-	1,102	105	-
Zimbabwe	20	50	1,020	-	-	-	1,090	-	-

- 1 Marketable unprepared Iron ore with more than 20 per cent fines.
- 2 Marketable iron ore between 10 and 30mm with usually less than 20 per cent fines.
- 3 Marketable fine ore, usually below 10mm (or similar size).
- 4 Marketable product from a concentrate plant.
- 5 Fine ore or concentrate very fine, usually below 0.1mm.
- 6 Iron ore fines agglomerated into a rough ball shape typically 10mm.
- 7 Agglomerated fines or concentrates and other iron bearing materials.

22. PIG IRON:¹ Production

(thousand tonnes)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
WORLD	461847	491307	489052	496065	508160.3	537544	554014	532123	507157	489783
DEVELOPED MARKET ECONOMY COUNTRIES	224056	245268	246423	228447	231930	253547	266635	249980	243048	234705
AMERICA	52775	56730	55429	49121	53636	60059	60816	57173	52391	55998
Canada	8567	9643	9665	9249	9719	9498#	10139#	7346	8268	8621
United States	44208	47087	45764	39872	43917	50561	50677	49827#	44123#	47377#
EUROPE	88085	97275	99780	93012	92989	102386#	104135	100302	98147	92739
EEC	80250	88679	91079	84601	84752	93681#	95134	91777	89564	84517
Belgium-Luxembourg	10388	11779	11501	10724	10559	11701#	11607#	12082	11839	10779
France	13770	14719	15067	13714	13236	14786#	15071#	14414	13646	13051
Germany	26598	30203	31531	28592	28119	32453#	32777#	30098	30989	28548
Greece	125	125	125E	-	-	#	-	-	-	-
Italy	10362	11628	11658	11898	11372	11376#	11788#	11882	10856	10461
Netherlands	3747	4926	4819	4628	4574	4994#	5163#	4960	4696	4849
Portugal	364	474	519	422	430	445#	377#	340	251	402
Spain	5419	5338	5477	4811	4804	4691#	5535#	5682	5404	5076
United Kingdom	9477	9487	10382	9812	11658	13235#	12816#	12319	11883	11351
EFTA	7835	8596	8701	8411	8237	8705	9001	8525	8583	8222
Austria	3320	3745	3704	3349	3417	3664	3823#	3452#	3441#	3074
Finland	1898	2034	1901	1978	2064	2180#	2300#	2283	2330#	2413#
Norway	596	549	606	570	371	367#	240#	54	-	-
Sweden	2011	2214	2424	2435	2315	2494	2638#	2736#	2812#	2735#
Switzerland	10	54	66	79	70	-	-	-	-	-
SOUTH AFRICA	5215	5531	5038	5774	6317	6171	6513	6234	6968	6498
ASIA	72936	80403	80569	74651	73419	79221	89121	80144	79909	73086
Japan	72936	80403	80569	74651	73419	79221#	89121	80144#	79909#	73086#
OCEANIA	5045	5329	5607	5889	5569	5710	6050	6127	5633	6384
Australia	5045#	5329#	5607#	5889#	5569#	5710#	6050#	6127	5633	6384
DEVELOPING COUNTRIES AND TERRITORIES	48408	54499	58460	61838	65450.3	71745.7	74741.8	74069	78222	79921
AFRICA	2517	2787	3166	3259	3293	3099	3080	3055	3000	2897
Algeria	1113	1150	1400	1400	1499	1500	1300#	1300E	1200E	1100E
Egypt	898	962	950	1066	1071#	1112	1100E	1068#	1149#	1103#
Tunisia	147	150	142	149	163	128	155	148	162	147
Zimbabwe	359#	525#	674	644	560	359#	525#	539	489#	547#
AMERICA	18482	23189	25225	27151	28199.3	30294.7	31453.8	28153	28243	28688
Argentina	909	893	1309	1639	1775	1596#	2169#	1918	1437	971
Brazil	12945	17230	18961	20163	21121#	23222#	24380.8	21141	22530#	22982#
Chile	540	596	575	592	613	778	679	675	726	873
Colombia	268	271	247	319	326	370#	297	323	304	298
Mexico	3538	3869	3530	3728	3712#	3678#	3230#	3665#	3039	3404#
Peru	113#	4#	163#	216#	178.3#	165.7#	209	117	207#	158
Venezuela	169	326	440	494	474	485#	489#	314#	-	-
ASIA	24567	25668	26980	28365	31091	35436	37306	40548	45713	47514
India	9162	9464	9835	10514	10923	11724#	12080#	12644	14176	15126
Indonesia	250	250E	250E	-	-	-	#	-	-	-
Iran, Islamic Rep. of	240	250E	250E	250E	250E	250E	250E	1267	1952#	2053
Malaysia	230	200E	200E	200E	200E	-	#	-	-	-
Pakistan	490	550	803	895	905	905	910E	920E	910E	800E
Philippines	22	20	20E	20E	20E	20E	-	-	-	-
Republic of Korea	8024	8763	8833	9003	11057	12578	14840#	15390#	18510#	19323
Taiwan Province of China	3415	3288	3429	3740	3658	5487#	5708#	5491	5561	5292
Thailand	10	10	10	10E	10E	10E	10E	10E	10	-
Turkey	2724#	2873#	3350#	3733#	4068#	4462#	3508#	4826#	4594#	4920#
EUROPE	2842	2855	3089	3063	2887	2916	2902	2313	1266	824
Yugoslavia (former)	2842#	2855	3089#	3063	2867	2916#	2902#	2313#	1266	824

22. PIG IRON:¹ Production
(concluded)

(thousand tonnes)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
COUNTRIES										
IN EASTERN EUROPE	146603	145728	144579	149340	149850	149312	148538	139568	112723	95719
Bulgaria	1635	1583	1712	1605	1657	1484	1484	1143	1100E	1050E
Czechoslovakia	9466	9561	9562	9573	9788	9706	9911#	9667	8479	8034#
Germany(former German Dem. Rep.)	2207	2357	2578	2738	2755	2786	2732	2159	-	-
Hungary	2059	2150	2102	2061	2109	2000#	1951	1708	1311	1176
Poland	8190	9627	9436	10194	10121	9837#	9488	8352	6355	6348
Romania	12593	9557	9212	9329	9500E	8941#	9051#	6355#	4525#	3111
USSR (former)	110453	110893	109977	113840	113920	114558#	113921#	110184#	90953	76000E
<i>of which</i>										
Russia	..	..	..	..	..	..	..	..	48700	45800
SOCIALIST COUNTRIES										
OF ASIA	42880	45812	49590	56440	60930	62940	64100	68506	73164	79438
China	37380	40062	43840	50640	55030	57040	58200	62606	67164	73438
Democratic People's Rep. of Korea	5500	5750	5750	5800	5900E	5900E	5900E	5900E	6000E	6000E

¹ Pig iron: primary iron produced from iron ore in blast furnaces.

23. SPONGE IRON (DRI):¹ Production

(thousand tonnes)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
WORLD	7797	9192	10988	12654	13630	13872	15501	17258	19202	20291
DEVELOPED MARKET ECONOMY COUNTRIES	870	1180	1560	2070	1980	2060	2189	2292	2232	2595
AMERICA	540	620	880	850	940	1060	996	1122	970	1028
Canada	540	500	740	690	730	770	705	732	560	639
United States	-	120	140	160	210	290	291	390	410	389#
EUROPE	90	120	100	170	200	270	353	310	362	273
EEC	70	100	100	170	200	270	353	310	260	170
Germany	70	100	100	170	200	270	353	310	260	170
EFTA	20	20	-	-	-	-	-	-	102	103
Sweden	20	20	-	-	-	-	-	-	102	103#
SOUTH AFRICA	80	270	410	790	840	730	840	860	900	910
OCEANIA	160	170	170	260	-	-	-	-	-	384
New Zealand	160	170	170	260	-	-	-	-	-	384
DEVELOPING COUNTRIES AND TERRITORIES	6907	7642	9008	9834	10390	10132	11612	13276	15270	16116
AFRICA	160	150	220	140	610	902	1040	1331	1520	1723
Egypt	-	-	-	30	470	770	817	710	620	826#
Libyan Arab Jamahiriya	-	-	-	-	-	-	90	500	790	847
Nigeria	160	150	220	110	140	132	133	121	110	50
AMERICA	5397	5392	5638	5976	6453	5938	6357	7016	8228	8648
Argentina	950	910	990	950	1040	1067	1166	1035	960	1017
Brazil	250	250	290	300	200	195	239	280	226	230#
Mexico	1500	1450	1454	1370	1551	1686	2163	2525	2490	2394#
Peru	27	62	44	56	52	49	50	30	24	30
Trinidad and Tobago	280	240	220	380	490	593	695	800	710	675
Venezuela	2390	2480	2640	2920	3120	2348	2044	2346	3816	4300
ASIA	1350	2100	3150	3718	3327	3292	4215	4929	5524	6247
India	40	80	90	148	177	195	360	750	1180	1440
Indonesia	570	740	1000	1300	1030	980	1210	1410	1430	1370
Iran, Islamic Rep. of	-	-	30	-	-	-	40	300	584	709
Iraq	-	-	-	-	-	100	200	170	-	-
Malaysia	-	40	520	580	590	427	644	620	620	480#
Myanmar (Union of)	-	10	30	30	20	20	20	20	20	20
Qatar	390	500	490	490	470	495	534	574	570	617
Saudi Arabia	350	730	990	1170	1040	1075	1207	1085	1120	1611
COUNTRIES OF EASTERN EUROPE	20	370	420	750	1260	1680	1700	1690	1700	1580
USSR (former)	20	370	420	750	1260	1680	1700	1690	1700	1580

¹ Sponge iron or DRI: primary iron produced through direct reduction, without exceeding the melting temperature.

24. METALLICS: Reported consumption,¹ 1989-1992

(thousand tonnes)

Country or area	Pig Iron				Sponge Iron				Ferrous scrap ²			
	1989	1990	1991	1992	1989	1990	1991	1992	1989	1990	1991	1992
Argentina	2,068	1,898	..	..	1,067	1,002	..	..	1,274	1,190	..	..
Australia	6,050	..	..	..	-	..	..	..	-	..	..	..
Brazil	17,878	16,848	19,970	..	259	263	226	..	8,032	6,505	5,714	..
Canada	10,128	..	..	..	-	..	..	..	7,790	..	..	..
Colombia	298	332	..	..	-	..	..	..	571	379	..	..
EEC	92,164	89,095	88,839	..	..	..	..	..	61,766	60,370	63,385	..
Belgium-Luxembourg	11,769	12,054	11,858	..	..	..	..	..	4,347	4,510	4,415	..
Denmark	101	101	93	..	..	..	..	..	631	608	610	..
France	13,499	13,367	12,984	..	..	..	..	..	6,920	7,396	7,422	..
Germany	31,399	28,924	29,951	..	..	..	..	..	6,920	7,396	7,422	..
Greece	16	..	-	..	-	..	..	..	1,071	1,095	1,092	..
Ireland	-	-	-	-	-	-	-	-	362	364	327	..
Italy	11,482	11,425	10,831	..	..	..	..	..	16,839	16,717	17,019	..
Netherlands	5,144	4,946	4,700	..	..	..	..	..	1,111	1,009	1,003	..
Portugal	381	333	235	..	..	..	..	..	492	531	394	..
Spain	5,555	5,496	5,450	..	..	..	..	..	9,196	8,895	9,264	..
United Kingdom	12,818	12,449	12,136	..	..	..	..	..	7,880	6,710	6,001	..
Egypt	..	..	1,201	1,064	..	..	..	..	..	..	316	1,160
Finland	..	..	2,330	2,413	-	-	-	-	850	..	545	601
Greece	16	..	..	..	-	..	..	..	1,071	..	..	..
Hungary	100	..	..	..	-	..	..	..	1,494	..	..	..
Iran, Islamic Rep. of	..	..	1,774	..	..	..	469	..	..	..	320	..
Indonesia	125	..	..	..	1,286	..	..	..	923	..	..	..
Japan	80,448	81,442	81,395	..	-	-	-	45,872	48,244	46,969	42,720	..
Mexico	3,271	3,711	..	..	2,290	2,527	..	..	2,720	3,448	..	..
Peru	..	..	192	..	..	..	18	..	..	..	35	..
Republic of Korea	15,290	15,940	18,690	..	-	-	-	..	1,580	1,960	810	..
Sweden	2,620	2,746	2,845	2,720	-	-	-	-	2,589	2,394	2,095	..
Slovenia	..	..	..	314	..	..	..	..	..	..	..	..
Syrian Arab Republic	..	-	..	..	..	..	..	..	..	80	..	..
Thailand	..	..	..	159	..	..	..	..	..	..	..	863
Turkey	3,928	4,327	6,880	4,920	24	19	38	33	5,098	5,500	5,450	6,160
United States	..	..	43,991	47,096	..	..	..	..	63,763	63,601	45,450	47,091
USSR(former)	..	..	..	..	..	..	..	..	95,000	..	..	..
Venezuela	489	309	26	-	2,341	2,603	2,229	2,468	489	736	745	794
Yugoslavia(former)	2,650	..	..	..	-	-	-	..	2,417	..	..	..
Zimbabwe	518	..	440	18	-	-	-	-	-	115	..	..

¹ Reported consumption in iron and steel works.

² Ferrous scrap high in Fe used by the steel industry.

25. METALLICS: Reported exports, 1989-1992

(thousand tonnes)

Country or area	Pig iron				Sponge Iron				Ferrous scrap			
	1989	1990	1991	1992	1989	1990	1991	1992	1989	1990	1991	1992
Brazil	2,989	3,488	2,560	2,415	-	-	-	-	-	-	-	-
Bulgaria	-	7	-	5.7	-	-	-	-	-	-	-	-
Canada	-	-	4	3	-	-	-	-	-	-	-	-
Cuba	-	-	-	-	-	-	-	-	-	86	-	-
Czechoslovakia	80	70	55	-	-	-	-	60	141	662	-	-
France	-	-	-	-	-	-	-	-	-	-	3,442	-
Germany	-	-	-	-	-	-	-	-	-	-	7,251	-
Hungary	45	-	-	-	-	-	-	-	112	-	-	-
India	-	-	1	-	-	-	-	-	-	-	87	-
Italy	24	-	-	-	-	-	-	-	-	4	-	-
Japan	25	25	22	-	-	-	-	-	587	396	362	1,722
Malaysia	0	-	-	-	397	-	-	-	24	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-	-	40
Morocco	-	-	0	-	-	-	-	-	-	-	5	-
New Zealand	-	-	-	-	-	-	-	-	-	-	-	38
Norway	52	50	58	-	-	0	0	-	1	0	4	-
Sri Lanka	-	-	-	-	-	-	-	-	40	-	-	-
Spain	-	-	0	-	-	-	-	-	-	-	25	-
Sweden	13	5	9	32	3	4	5	9	142	122	237	66
Thailand	-	-	-	-	-	-	-	-	-	-	10	-
Turkey	0	18	193	39	0	-	-	-	4	7	10	11
United Kingdom	-	-	-	-	-	-	-	-	-	-	3,215	-
United States	-	14	16	33	-	6	5	0	11,078	11,580	9,345	9,203
USSR(former)	6,517	6,276	-	-	-	-	-	2,727	1,294	-	-	-
of which: Latvia	-	-	-	-	-	-	-	-	-	-	60	1
Venezuela	-	-	-	-	659	857	678	667	1,330	1,729	15	55

26. METALLICS : Reported Imports, 1989-1992

(thousand tonnes)

Country or area	Pig Iron				Sponge Iron				Ferrous scrap			
	1989	1990	1991	1992	1989	1990	1991	1992	1989	1990	1991	1992
Argentina	2	-	-	-	-	-	-	-	11	-	-	-
Bulgaria	-	309	35	9.4	-	-	-	-	-	-	-	-
Colombia	-	32	-	-	-	-	-	-	-	28	-	-
Cuba	240	-	-	-	-	-	-	-	-	-	-	-
Cyprus	-	1	-	-	-	-	-	-	-	-	-	-
Czechoslovakia	673	-	-	-	-	-	-	-	13	-	-	-
Egypt	-	-	-	75	-	-	-	-	-	-	-	200
Finland	-	-	-	-	-	-	-	-	60	-	-	-
Germany (former German Democratic Rep.)	1,321	-	-	-	11	-	-	-	-	-	-	-
Greece	24	-	-	-	3	-	-	-	-	-	-	-
Hungary	345	-	-	-	-	-	-	-	-	-	-	-
India	-	-	245	-	-	-	-	-	-	-	3,152	-
Indonesia	-	-	-	-	76	-	-	-	703	1,178	-	-
Japan	2,288	3,283	3,375	1,477	-	-	-	-	1,157	1,048	821	328
Latvia	-	-	88	12	-	-	-	-	-	-	98	4
Malaysia	66	110	-	25	-	-	-	-	488	718	734	274
Mexico	-	-	-	15	-	-	-	106	-	-	-	544
New Zealand	-	-	-	-	-	-	-	5	-	-	-	0
Norway	4	5	5	-	2	0	19	-	0	0	-	-
Philippines	56	63	-	-	-	-	-	152	64	-	-	-
Poland	1,199	1,263	-	-	-	-	-	-	-	-	-	-
Republic of Korea	590	230	150	-	-	-	-	-	502	525	690	-
Romania	-	-	-	3	-	-	-	-	-	-	-	-
Slovenia	-	-	-	13	-	-	-	-	-	-	-	1
Spain	-	-	212	-	-	-	105	-	-	-	4,259	-
Sweden	45	42	29	16	-	-	-	-	824	247	165	281
Syrian Arab Republic	-	-	-	-	-	-	-	-	-	30	-	-
Thailand	-	-	82	159	-	-	-	-	-	-	501	816
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	12	-	-
Turkey	179	148	240	396	24	19	38	33	4,422	3,671	4,443	4,434
United States	443	347	435	496	226	334	380	542	1,309	1,299	-	-
Venezuela	-	-	-	-	304	426	216	131	122	135	46	23
Yugoslavia(former)	110	-	-	-	-	-	-	-	19	-	-	-

27. CRUDE STEEL:¹ Production

(thousand tonnes)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
WORLD	662514	711085	718824	713246	735028	778271	784720	766669	730866	716893
DEVELOPED MARKET ECONOMY COUNTRIES	335719	367214	365016	341762	348851	378425	383019	377412	368686	357760
AMERICA	89593	98639	94704	88113	95613	105515	104310	101199	92725	98255
Canada	12832	14699	14637	14081	14737	14866#	15458#	12281	12987	13933
United States	76761#	83940#	80067#	74032#	80876#	90649#	88852#	88918#	79738#	84322#
EUROPE	135979	148584	149619	139219	139239	151461#	153651#	149660	149917	144834
EEC	123231	134482	135694	125714	125958	137426#	139578#	136572	137490	132279
Belgium-Luxembourg	13450	15287	14628	13420	13085	14883#	14687#	14953	14710	13398
Denmark	493	548	528	632	605	650#	624#	609	632	591
France	17582	19005	18815	17670	17432	18598#	16692#	19021	18401	17961
Germany ²	35729	39389	40497	37134	36248	41023#	41073#	38434	42169	39711
Greece	868	972#	1007#	1010	908	959#	956#	999	980	924
Ireland	141	166	203	208	220	271#	324#	326	293	257
Italy	21811	24062	23898	22985	22819	23762#	25216#	25472	25110	24904
Netherlands	4477	5738	5519	5283	5082	5518#	5681#	5412	5171	5439
Portugal	685	697	684	721	732	811#	761#	746	541	749
Spain	13009	13497	14193	11882	11691	11886#	12765#	12705	12932#	12295
United Kingdom	14986	15121	15722	14769	17136	19065#	18799#	17895	16551	16050
EFTA	12748	14102	13925	13505	13281	14035	14073	13088	12427	12555
Austria	4411	4868	4663	4292	4301	4560#	4718#	4291#	4186	3953
Finland	2416	2634	2518	2586	2668	2798#	2921#	2861	2600#	2748#
Norway	876	916	944	836	851	910#	678#	376#	438#	446#
Sweden	4210	4706	4813	4716	4595	4779	4692#	4455#	4248#	4358#
Switzerland	835	978	987	1075	866	988	1064	1105	955	1050
SOUTH AFRICA	7004	7732	8507	9055	8836	8709	9567	8738	8358	8496#
ASIA	97252	105676	105381	98385	98629	105780	108009	110466	109739	98240
Israel	83	92	100	110	116	99	100	135	90	109
Japan	97169	105584	105281	98275	98513	105681#	107909#	110331	109649#	98131#
OCEANIA	5891	6583	6805	6990	6534	6960	7482	7349	6947	7635
Australia	5657#	6303#	6578#	6703#	6125#	6400#	6800#	6630#	6141	6877
New Zealand	234	280	227	287	409	560	682	719	806	758
DEVELOPING COUNTRIES AND TERRITORIES	71630	79823	86471	91007	98769	109337	114322	112753	118963	126352
AFRICA	3000	2900	3715	3512	3961	4410	4130	2775	2815	4378
Algeria	950	1080	1414	1450	1533	1412	1042	836	840#	820#
Egypt	979	928	1028	1013	1433	2025	2011	881#	1077#	2565#
Morocco	4	4	5E	6E	5E	5E	5E	5E	5E	5
Nigeria	182	229	321	134#	137#	139#	213#	220	114	200E
Tunisia	163	166	160	181	188	162	197	184	193	181
Zimbabwe	647	423	731	674	597	602	592#	579	526#	547#
Other Africa	75	70	56E	54	68	65E	70	70	60	60
AMERICA	28944	33485	36051	37671	39518	42194	42547	38372	38699	40556
Argentina	2942	2647	2939	3242#	3603#	3624#	3893#	3657	2972	2661
Brazil	14671	18385	20454	21228#	22228#	24657#	25017	20582	22617#	23934#
Chile	618	692	689	708	720	899	813	773	805	994
Colombia	482	507	530	632	690	712	706	710	664	689
Cuba	354	338	408	411	402	363	432#	340#	300E	200E
Mexico	6917	7482	7299	7225#	7642#	7779#	7851#	8726#	7964#	8435#
Peru	299	337	368	358#	400#	463#	397	284	235#	300
Trinidad and Tobago	210	172	164	331	388	363	347	380#	444	532
Uruguay	46	41	39	31	30	30	37	38	44	53
Venezuela	2320	2770	3055	3402	3297#	3165#	2942#	2787	2558	2668#
Other America	85	113	106	105	118	139	112	95	96	90

27. CRUDE STEEL:¹ Production
(concluded)

(thousand tonnes)

Region country or area	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
ASIA	35552	39226	42245	45325	50953	58286	63163	68018	75174	79805
Bangladesh	58	88	122	116	120	120	120E	120E	120E	100E
Hong Kong	120	120	120E	120E	120E	120E	150E	150E	150	150
India	10237	10549	11936	12197	13121	14309	14608	14963	17100	18117
Indonesia	983	1171	1374	1729	2059	1850	2303#	2892	3000	3100E
Iran, Islamic Rep. of	734	854	836	838	839	978	1081	1425	2203#	2937
Malaysia	350	350	400	450	600	700	800	900	900E	1000E
Pakistan	300	750	750	900	1000	1200	1200E	1200E	1200E	1000E
Philippines	200	250	250	209#	261#	252#	400E	400E	350E	400E
Qatar	469	478	533	492	492	527	585	571	564	575
Republic of Korea	11915	13034	13540	14555	16782	19118	21873	23126	26001	28054
Saudi Arabia	275	842	1106	1100	1365	1614	1810	1833	1783	1823
Singapore	305	362	365	390	441	432	495	489	510	482
Syrian Arab Rep.	100	100	70E	70E	60E	60E	30#	70#	70#	70E
Taiwan Province of China	5031	5241	5306	5545	5915	8288	9047	9747	10973	10705
Thailand	381	447	425	450	534	535	550E	600E	715#	810#
Turkey	3834#	4330#	4862#	5927#	7044#	7983#	7901#	9322#	9335#	10252#
United Arab Emirates	50	50	50E	50E	40E	40E	40E	40E	30E	40E
Other Asia	210	210	200	172	160	160	170	170	170	190
EUROPE	4134	4232	4480	4519	4367	4487	4502	3608	2295	1633
Yugoslavia	4134#	4232#	4480#	4519#	4367#	4487#	4502#	3608#	2295	1633
COUNTRIES OF EASTERN EUROPE	210025	214253	214023	221649	224368	224208	219099	203135	165761	146324
Bulgaria	2825	2878	2926	2898	3044	2880	2899	2180#	1615#	1552#
Czechoslovakia	15024	14831	15036	15112	15416	15379#	15465#	14813	12071	11144#
Germany (former German Dem. Rep.)	7219	7573	7840	7987	8243	8133	7829	5587	-	-
Hungary	3617	3751	3647	3715	3622	3580#	3305	2962	1882	1559
Poland	16236	16553	16126	17144	17146	16885#	15094	13553	10432	9867
Romania	12593	14437	13795	14276	14962	14314#	14415#	9754#	7115#	5372
USSR (former)	152511	154230	154653	160537	161935	163037#	160092#	154286#	132666	116830
<i>of which</i>										
Latvia	..	..	..	..	..	..	..	..	373#	246#
Ukraine	..	..	..	..	..	..	..	52646#	44995#	41759
Russia	..	..	..	..	..	..	..	78990	77076	67000
SOCIALIST COUNTRIES OF ASIA	45140	49775	53294	58808	63010	66261	68260	73349	77438	87037
China	39040	43475	46794	52208	56280	59431	61430	66349	70436	80037
Democratic People's Rep. of Korea	6100	6300	6500	6600	6730	6830	6830	7000	7000	7000

¹ Crude steel: raw form of steel measured at the first stage of solidification, except for liquid steel casting.

² The statistical series for the former German Democratic Republic stops in 1990. This should be taken into account for the comparison of the total of countries in eastern Europe which will be lower and the total in the EEC which will be higher.

Annex. Iron-ore questionnaire

Replies

Country or area	Date of reply	A		B				C	D			E	
		A.1	A.2	B.1	B.2	B.3	B.4		D.1	D.2	D.3	E.1	E.2
Argentina	8 June 93	#	-	-	-	-	-	-	-	#	-	-	-
Brazil	5 July 93	#	#	#	#	#	-	-	#	-	#	#	-
Bulgaria	26 April 93	#	-	-	-	-	-	-	#	#	#	-	-
Canada	17 March 93	#	-	-	-	-	-	-	#	#	-	-	-
Czechoslovakia	13 April 93	#	#	#	#	#	-	#	-	#	#	-	-
EEC	28 March 93	#	#	#	#	#	-	#	#	#	#	-	-
Egypt	28 March 93	#	#	#	#	#	-	#	-	#	-	-	-
Finland	21 June 93	-	#	#	#	#	-	#	-	#	#	-	-
India	24 June 93	#	-	-	-	-	-	-	#	-	#	-	-
Japan	8 April 93	-	#	#	#	#	-	#	-	#	-	-	-
Latvia	8 June 93	-	-	-	-	-	-	-	-	#	-	-	-
Mauritania	28 April 93	#	-	-	-	-	-	#	#	-	#	#	-
Mexico	7 June 93	#	#	#	#	-	-	#	-	#	#	-	#
Morocco	18 March 93	#	-	-	-	-	-	-	#	-	#	-	-
New Zealand	19 March 93	-	-	-	-	-	-	-	#	#	#	-	-
Norway	5 April 93	#	-	-	-	-	-	-	-	-	-	-	-
Philippines	14 April 93	#	-	-	-	-	-	-	-	-	-	-	-
Romania	16 June 93	#	-	-	-	-	-	-	-	#	-	-	-
Slovenia	10 June 93	-	-	-	-	-	-	-	#	#	#	-	-
South Africa	30 March 93	#	-	#	-	#	#	-	#	-	#	-	-
Sweden	1 April 93	#	#	#	#	#	#	#	#	#	#	#	-
Thailand	6 March 93	#	-	#	#	#	#	-	#	#	-	-	-
Tunisia	27 February 93	#	-	-	-	-	-	-	#	-	-	-	-
Turkey	27 April 93	#	#	#	#	#	#	#	-	#	-	-	-
United States	30 April 93	#	-	#	-	#	-	#	#	#	#	#	-
Venezuela	10 June 93	#	-	#	#	#	-	#	#	-	-	#	-
Zimbabwe	4 March 93	#	#	#	#	#	-	#	-	-	-	-	-

CONTENTS: Iron ore

A. Production and production capacity

A.1. Iron production by products

A.2. Production of agglomerates by iron and steel producers

B. Consumption

B.1. Iron-ore consumption by products

B.2. Iron-ore consumption by source

B.3. Iron-ore consumption in metallurgical uses

B.4. Iron-ore consumption in non-metallurgical uses

C. Stocks

D. International Trade

D.1. Volume of exports by destination and product type

D.2. Volume of imports by origin and product type

D.3. Value of exports and/or imports

E. Production Capacity

E.1. Planned additions

E.2. Planned reductions

Note:

Gabon, San Salvador replied to the questionnaire but have no iron-ore or steel industry.

Annex. Iron-ore questionnaire

Replies (concluded)

Country or area	Date of reply	F.1			F.2	F.3			G.1			G.2	H		
		F.1.1	F.1.2	F.1.3		F.3.1	F.3.2	F.3.3	G.1.1	G.1.2	G.1.3		H.1	H.2	H.3
Brazil	9 July 93	#	#	#	#	#	#	#	#	#	#	#	#	-	#
Bulgaria	26 April 93	-	-	-	-	#	-	#	-	-	#	-	#	#	#
Czechoslovakia	13 April 93	#	-	#	-	#	#	#	-	-	#	#	#	-	#
Egypt	8 February 93	#	#	#	#	#	#	#	#	#	#	#	#	-	#
Finland	21 June 93	#	-	#	-	#	#	#	#	-	#	#	-	-	-
India	30 May 93	#	-	-	#	#	-	-	-	-	-	-	#	#	#
Japan	8 April 93	#	-	#	-	#	#	-	#	-	#	-	#	#	#
Latvia	8 June 93	-	-	-	-	#	#	#	-	-	-	-	#	#	#
Mexico	7 June 93	#	#	#	#	#	#	#	#	#	#	#	#	#	#
New Zealand	19 March 93	-	-	-	-	-	-	-	-	-	-	-	#	#	#
Norway	5 April 93	-	-	-	#	#	-	-	-	-	-	-	-	-	-
Romania	16 June 93	#	#	-	#	-	-	-	-	-	-	-	#	#	#
Slovenia	10 June 93	-	-	#	#	#	#	-	-	-	#	#	#	#	#
South Africa	30 March 93	-	-	-	#	#	-	-	-	-	-	-	-	-	-
Sweden	1 April 93	#	#	#	#	#	#	#	#	-	-	#	#	#	#
Thailand	16 March 93	-	-	-	-	#	#	#	#	#	#	#	#	#	#
Turkey	27 April 93	#	-	#	-	#	#	#	#	#	#	#	#	#	#
United States	30 April 93	#	#	-	#	#	-	#	#	#	#	-	#	#	#
Venezuela	10 June 93	-	#	#	#	#	#	#	#	#	#	#	#	#	#
Zimbabwe	4 March 93	#	-	-	-	#	#	#	#	-	-	#	-	-	-

CONTENTS : Iron and Crude steel

F.1. Production of Metallics

F.1.1. Pig iron

F.1.2. Sponge iron or DRI

F.1.3. Ferrous scrap generation

F.2. Production of ferro-alloys

F.3. Crude steel production

F.3.1. By process

F.3.2. By utilization

F.3.3. Share of continuous casting

G.1. Consumption of metallics

G.1.1. Pig iron

G.1.2. Sponge iron or DRI

G.1.3. Ferrous scrap

G.2. Average consumption of metallics per ton of steel output

H. International trade in metallics

H.1 Volume of exports of metallics by destination

H.2. Volume of imports of metallics by origin

H.3. Value of exports and/or imports of metallics