

FOREIGN TRADE



Indian Minerals Yearbook 2013

(Part- I : GENERAL REVIEWS)

52nd Edition

FOREIGN TRADE

(FINAL RELEASE)

**GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES**

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September, 2015

10 Foreign Trade

EXPORTS

Ores & Minerals

During the year 2012-13, the value of exports (including re-exports) of ores and minerals at ₹1,59,747 crore accounted for 9.77% of the total value of all merchandise exported from India. The export value rose from ₹1,74,370 crore in 2010-11 to ₹1,75,310 crore in 2011-12 and then decreased to ₹1,59,747 crore in 2012-13. The value of mineral exports showed a decrease of 8.88% in 2012-13 as compared to that in the previous year.

Diamond (Total) continued to be the largest constituent item with a share of 79.28% in the total value of mineral exports in 2012-13. Next in the order of share was iron ore with a contribution of 5.50% followed by granite 4.97%, emerald (cut & uncut) and alumina with 1-2% each. The individual share of remaining minerals in the total value of exports of ores and minerals from India during the year under review was less than 1%.

The value of exports showed a mixed trend for most of the minerals in 2012-13 as compared to that in the previous year. A significant increase was also observed in case of zinc ores & concentrates and coal (lignite) by manifold as compared to the previous year while bauxite & emerald (cut & uncut) reportedly increased by more than four times and the value of exports of barytes salt (other than common salt) and sulphur (excl. sublimed, precipitated & colloidal) increased by more than double from that of the previous year. The value of exports of other minerals which showed a significant growth are graphite 53.31%, coal (excl.-lignite) 48.40%, garnet (abrasive) 45.92%, diatomite 44.73%, clay (others) 41.65%, marble 40.63%, sandstone 33.41%, steatite 32.98%, kaolin 26.58%, felspar (natural) 24.53%, granite 24.43%, sillimanite 22.75% and sand (excl.

metal bearing) 20.70%. The export value however had recorded a decline in case of iron ore by 60.41%, coke 50.85%, zirconium ores & conc. 45.71%, manganese ore 39.04%, chromite 36.43% and magnesite 15.04% as compared to that in the previous year.

Ores and Minerals were exported to 190 countries in 2012-13 as against 188 countries in 2011-12 (including country item "unspecified" in both the years). About ninety percent of the total value of exports of ores and minerals was confined to only ten countries. Out of these, exports to only three countries accounted for 64% of the total value of exports during the year. Hong Kong occupied the top position in 2012-13 and in terms of value accounted for 28.86% of the total mineral exports. USA was in the second place and contributed 18.82% followed by UAE 16.36%, China 8.34%, Belgium 7.89%, Israel 3.96%, Thailand 2.18%, Japan 2.13%, UK 1.14%, and Singapore 1.06%. The individual share of remaining countries was less than 1%.

Countrywise analysis of mineral exports shows that exports of minerals have increased significantly to Libya, Bahrain and Qatar. The increase in the value of mineral exports to other countries was Malaysia 98.83%, Oman 83.56%, Saudi Arabia 80.98%, Egypt 47.02%, New Zealand 44.22%, Bhutan 37.92%, Bangladesh 30.92%, Singapore 26.59%, Russia 22.37%, Thailand 20.11%, Turkey 17.63%, UK 16.03%, USA 15.60%, Nepal 14.92% and France 14.15% as compared to previous year. However, value of exports of ores & minerals declined by 62.10% for Brazil, 46.16% for China, 41.17% for Iran, 38.70% for Switzerland, 34.40% for Korea, Rep. of, 27.65% for Kuwait, 24.58% for Belgium, 23.96% for Poland and 14.57% for UAE as compared to that of previous year (Tables - 1 to 3).

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Table – 1: Exports of Ores and Minerals (including Re-exports), 2010-11 to 2012-13

(Value in ₹'000)

Mineral	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Minerals		**	1743703991	**	1753095005	**	1597472186
Abrasives (natural)	tonne	160639	1185000	49356	502710	40923	432403
Alabaster	tonne	74	329	1	49	-	-
Alumina	tonne	2660432	41867818	886412	16437230	927830	18834156
Andalusite	tonne	40	96	-	-	-	-
Asbestos:Total	tonne	231	1154	1296	2862	78	727
Asbestos (chrysotile)	tonne	49	588	20	195	5	2
Asbestos (others)	tonne	182	566	1276	2667	73	725
Ballclay	tonne	19611	63288	18037	62387	29497	131329
Barytes	tonne	866236	3146360	1036798	5406455	1740203	11920378
Bauxite	tonne	116066	295202	401027	922326	3409998	6245777
Bentonite	tonne	637692	1801785	1033552	2699338	1114905	3160284
Borax : Total	tonne	1354	53056	1765	85280	2488	122645
Natural borate	tonne	528	6313	682	7194	813	12930
Sodium borate	tonne	542	19558	570	30197	1165	59913
Other borates	tonne	284	27185	513	47889	510	49802
Building & monumental stones							
NES	tonne	1270142	4364630	1630292	6311353	1533215	5803448
Calcite	tonne	1373	6137	3240	14860	2167	18791
Chalk	tonne	688	2496	759	3432	679	4199
Chromite : Total	tonne	172864	2860566	225084	4888205	196435	3107577
Chrome ore others	tonne	14283	243861	47230	683389	173104	2655538
Chrome ore conc.	tonne	102870	1760961	107001	1725168	23331	452038
Chrome ore lumps	tonne	55711	855744	70853	2479648	++	1
Clay Others	tonne	52526	241610	16811	126294	22049	178899
Coal (excluding lignite)	000 t	4272	11519939	2025	5869603	2950	8710267
Lignite	000 t	++	9179	1	14583	36	321881
Coke	tonne	728365	11645428	611517	11487428	1119259	5646286
Coal Gas	tonne	++	22	59	365	83	814
Cobalt (ores & conc.)	tonne	51	3741	-	-	12	7661
Copper ores & conc.	tonne	19701	1390065	20	80	30	3355
Corundum (natural)	tonne	412	2527	-	-	-	-
Diamond : Total		**	1343533791	**	1342392353	**	1266550703
Diamond (mostly cut)	crt.	78951465	1340640421	62654023	1338809004	65425281	1265658948
Diamond (industrial)	crt.	734036	113825	251923	156935	1709350	117214
Diamond (powder)	'000 crt.	28544	2779545	22334	3426414	9518	774541
Diatomite	tonne	4647	39672	26886	230620	40607	333768
Dolomite	tonne	26801	65184	40254	111825	28948	131900
Earth clay	tonne	2195	12667	4498	68972	13949	57295
Emerald (uncut & cut):Total		**	3634975	**	5447525	**	26787313
Emerald (uncut)	tonne	4	52311	3	100273	3	281699
Emerald (cut)	'000 crt.	14930	3582664	24898	5347252	13164	26505614
Felspar (natural)	tonne	351266	1187874	394277	1518048	566257	1890429
Felspar (uncut & cut):Total		**	12842	**	58669	**	42423
Felspar (uncut)	tonne	++	301	1	7117	++	1823
Felspar (cut)	'000 crt.	226	12541	1082	51552	448	40600
Fireclay	tonne	8624	22563	9622	30881	36218	58678
Flint	tonne	1688	6320	968	2962	717	2883
Fluorite (Fluorspar)	tonne	390	4293	484	10939	1195	22216
Garnet (abrasive)	tonne	228663	1726150	428716	3500974	505281	5108666
Garnet (uncut & cut): Total		**	18450	**	42540	**	49812
Garnet (uncut)	tonne	1	1193	1	8124	1	7193
Garnet (cut)	'000 crt.	260	17257	761	34416	701	42619

(Contd.)

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Table - 1 (Contd.)

Mineral	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Granite (crude or roughly trimmed)	tonne	2996561	17502596	2992760	22882720	4189682	29290552
Granite (cut blocks/slabs)	tonne	316207	2146831	365418	2672156	512752	3526543
Granite (polished blocks/tiles)	tonne	382320	10842371	251176	7021614	250345	7759670
Granite (others)	tonne	804972	25441395	995724	31238867	1109974	38826978
Graphite (natural)	tonne	1205	79686	1683	101327	2304	155340
Gypsum & plaster	tonne	100918	137642	51732	78485	44142	100926
Iron ore: Total	'000 t	46890	214156853	47153	221844034	17823	87833451
Iron ore conc:non agglomerated	'000 t	141	560989	77	363093	40	249059
Iron ore fines	'000 t	43363	200653480	40026	192016008	16264	79844930
Iron ore lumps	'000 t	3299	12366761	6840	28122587	1519	7732861
Iron ore pellets	'000 t	87	574835	210	1339356	++	202
Iron ore pyrites	'000 t	++	788	++	2990	++	6399
Kaolin	tonne	112016	423070	184734	582117	191953	736840
Kieselguhr	tonne	52	593	12	149	1	61
Kyanite	tonne	3	42	1	11	53	784
Lead ores & conc.	tonne	39195	3891804	10226	1390485	14	336
Limestone	tonne	1034830	683781	2691026	2537858	10798168	2693494
Magnesite: Total	tonne	11052	203919	13369	175082	9973	148751
Magnesia (fused)	tonne	85	2205	284	7883	293	8331
Magnesite (not calcined)	tonne	1023	14224	2117	29856	1516	21120
Magnesite (calcined)	tonne	40	908	16	240	-	-
Magnesia: dead-burnt	tonne	3	88	74	31	288	5627
Magnesium oxide	tonne	4682	64505	5796	101903	3614	60579
Magnesite (others)	tonne	5219	121989	5082	35169	4262	53094
Manganese ore: Total	tonne	98979	803225	75183	442305	72199	269610
Manganese ore (46% or more Mn)	tonne	16222	289802	33051	129790	23	718
Manganese ore (30% or more but below 35% Mn)	tonne	14858	116554	8099	49763	5380	25996
Manganese ore (Ferruginous, 10% Mn or more but below 30% Mn)	tonne	-	-	20	228	-	-
Manganese ore (others)	tonne	67899	396869	34013	262524	66796	242896
Marble: Total	tonne	521723	3265467	325241	3861834	372368	5430796
Marble (dressed)	tonne	258436	2098145	241571	2426156	261940	3211886
Marble (others)	tonne	263287	1167322	83670	1435678	110428	2218910
Mica: Total	tonne	126554	2258655	131777	2887096	127629	3459967
Mica (unmanufactured):Total	tonne	125844	1892086	131108	2377259	126773	2759729
Mica (blocks)	tonne	2762	114112	4168	118371	2559	198721
Mica (splittings)	tonne	1989	63477	2246	107093	1559	112393
Mica (powder)	tonne	86453	1263880	81151	1401193	91185	1699852
Mica (condenser films)	tonne	8	515	40	738	2	10084
Mica (waste & scrap)	tonne	34632	450102	43503	749864	31468	738679
Mica (worked):Total	tonne	710	366569	669	509837	856	700238
Mica (condenser films, plates cuts NES)	tonne	3	2570	5	18066	7	13997
Mica (washers & discs)	tonne	56	61280	64	57821	90	174460
Mica (sheets & strips)	tonne	47	25731	93	89832	39	60813
Micanite & other built-up mica	tonne	8	4342	10	4087	15	9978
Mica (bricks)	tonne	189	3388	5	426	-	-
Mica worked (others)	tonne	407	269258	492	339605	705	440990
Molybdenum ores & conc.	tonne	939	25412	4477	52488	107	1026
Niobium or tantalum ores&conc.	tonne	25	42652	523	70506	32	24676
Natural gas	tonne	27244	1191530	22218	1384872	27736	1617704
Nickel ores & conc.	tonne	-	-	450	128258	86	1478

(Contd.)

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Table - 1 (Concl'd.)

Mineral	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Ochre:Total	tonne	9275	115522	7741	126359	8378	104308
Ochre(earth colours)	tonne	7526	76202	5997	63390	6338	54787
Ochre (persian red)	tonne	14	1626	55	5750	-	-
Ochre (red oxide)	tonne	1605	33705	1393	49991	1388	34815
Ochre (yellow ochre)	tonne	130	3989	296	7228	652	14706
Petroleum (crude)	'000 t	++	595	21	722969	++	12
Precious & semi-precious stones							
NES : Total		**	10052664	**	11636361	**	11542994
Precious & semi precious stones (uncut)	tonne	1394	1063145	681	1247502	1330	2167563
Precious & semi precious stones (cut)	'000 crt.	188105	8989519	168804	10388859	105425	9375431
Precious metals and ores/conc.: Total	kg	66026	45968	1512154	5417948	65190	117603
Gold ores & conc.	kg	-	-	82031	5285189	57	49586
Precious metals ores & concentrates (others)	kg	66026	45968	1430123	132759	55133	67614
Silver ores/concentrates	kg	-	-	-	-	10000	403
Quartz & quartzite (natural)	tonne	211253	1209795	214969	1513889	233275	1608026
Quartz (natural)	tonne	173291	923995	179805	1200767	184657	1116532
Quartzite (natural)	tonne	37962	285800	35164	313122	48618	491494
Rock phosphate: Total	tonne	712	5031	248	5810	21309	24477
Salts (other than common salt)	tonne	1854898	2075879	2712076	2598357	4551203	5282220
Sand (excl. metal bearing)	tonne	18218	208067	21044	377436	7342	455557
Sand Stone	tonne	304138	3212985	370238	3865872	449566	5157602
Silica sand	tonne	12451	162239	10020	80081	4689	43188
Sillimanite	tonne	2202	29024	11829	108615	11151	133322
Slate: Total	tonne	117644	1530571	113257	1534802	108806	1463313
Slate (worked)	tonne	19063	420289	20116	419795	21020	405127
Slate (others)	tonne	98581	1110282	93141	1115007	87786	1058186
Steatite/soapstone: Total	tonne	115581	837966	100562	913949	121852	1215354
Steatite/soapstone (blocks)	tonne	3970	23890	5599	52364	3278	38772
Steatite/soapstone (lumps)	tonne	9727	44820	3004	21198	4265	49848
Steatite/soapstone (powder & others)	tonne	101884	769256	91959	840387	114309	1126734
Sulphur (excl. sublimed, precipitated & colloidal)	tonne	167113	979567	163372	1671782	369940	3367000
Tin ores & conc.	tonne	33	9219	2	454	-	-
Titanium ores & concentrates: Total	tonne	1028108	5632999	912979	12442284	800807	14571902
Titanium ores & conc.: Ilmenite	tonne	1019268	5451218	879522	11499101	791735	14158888
Titanium ores & conc.: Rutile	tonne	4031	144364	6699	507305	2322	253625
Titanium ores & conc. (other)	tonne	4809	37417	26758	435878	6750	159389
Tripoli earth	tonne	-	-	-	-	1	334
Tungsten ores & conc.	tonne	32	19244	321	63393	93	9198
Vanadium ores & conc.	tonne	++	1	1250	25841	179	18159
Vermiculite	tonne	1497	10882	1139	10019	647	5502
Witherite	tonne	17	351	++	14	49	727
Wollastonite	tonne	17759	208907	23759	297241	18765	281471
Zinc ores & conc.	tonne	67501	2846743	5591	14156	75870	2957887
Zirconium ores & conc.	tonne	19535	408265	43532	1772097	31600	962127
Other Minerals	tonne	127162	278774	130569	291719	204043	583957

Source: DGCI&S, Kolkata.

** Quantity not given due to partial coverage, value figures however have full coverage.

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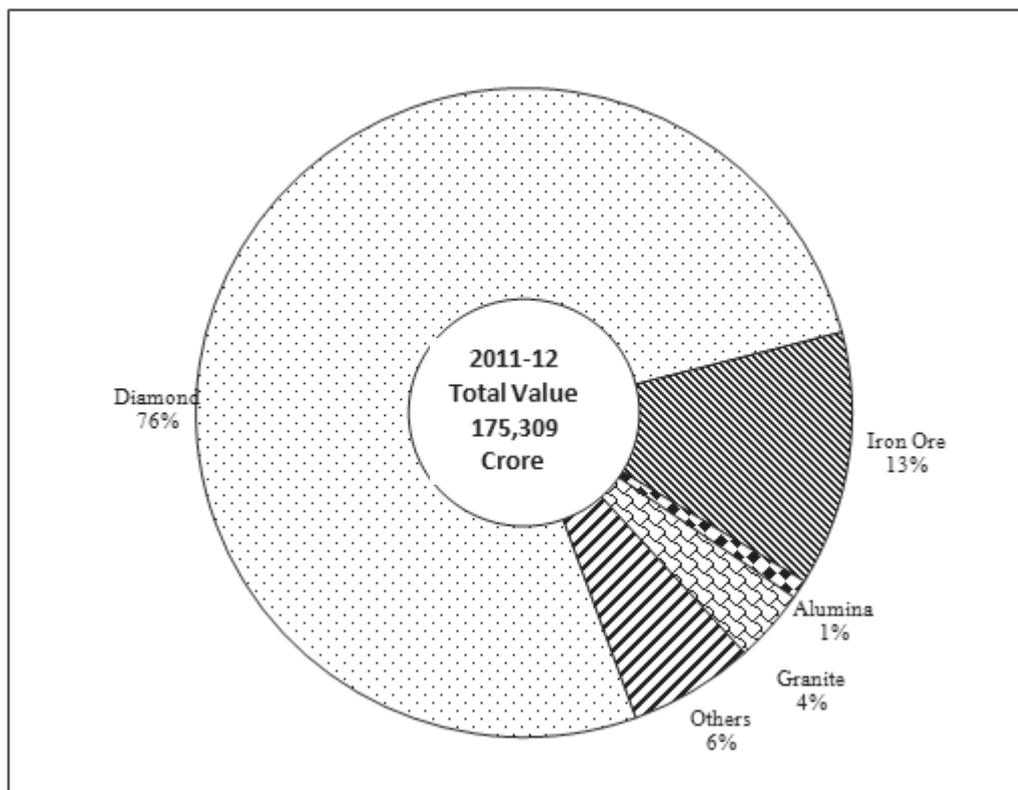
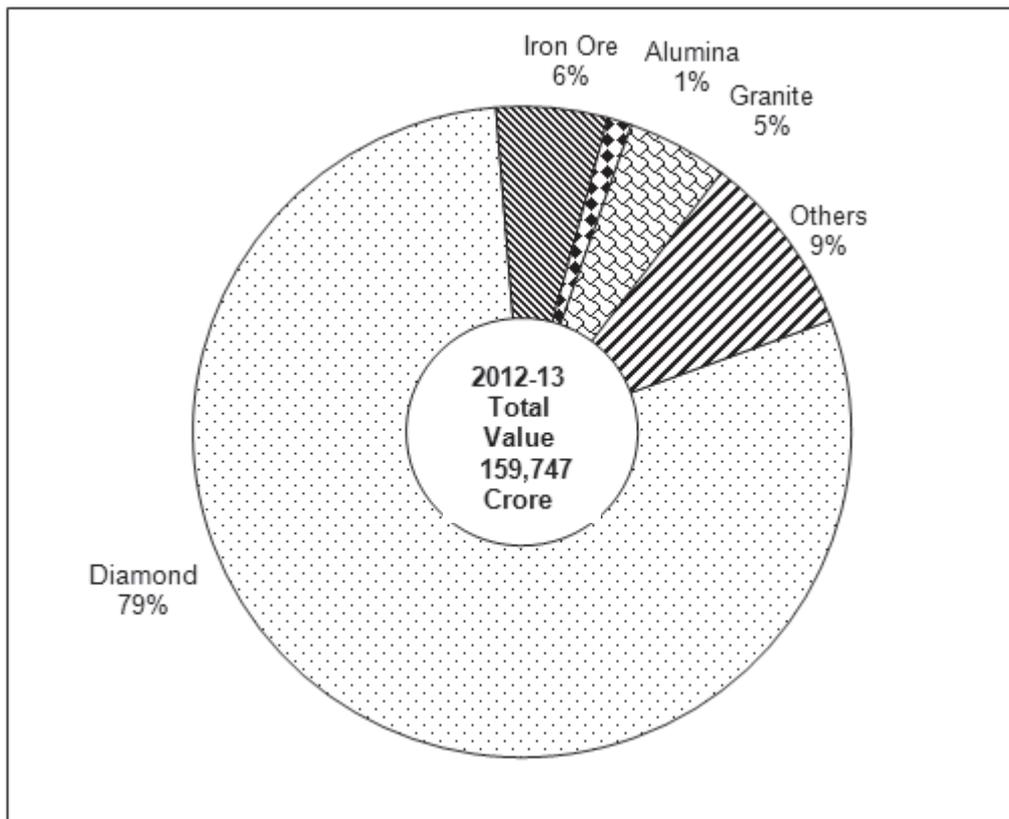
**Table – 2 : Value of Exports of Ores & Minerals (including Re-exports), 2010-11 to 2012-13
(By Principal Ores & Minerals)**

Ores & Minerals	2010-11(R)		2011-12		2012-13 (P)		% increase (+) or decrease (-) in 2012-13 over 2011-12
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Minerals	1743703991	100.00	1753095005	100.00	1597472186	100.00	-8.88
Diamond	1343533791	77.05	1342392353	76.57	1266550703	79.28	-5.65
Iron Ore	214156852	12.28	221844036	12.65	87833452	5.50	-60.41
Granite	55933193	3.21	63815358	3.64	79403743	4.97	24.43
Emerald (cut & uncut)	3634976	0.21	5447526	0.31	26787313	1.68	391.73
Alumina	41867818	2.40	16437230	0.94	18834156	1.18	14.58
Titanium ores & concentrate	5632999	0.32	12442285	0.71	14571902	0.91	17.12
Barytes	3146360	0.18	5406455	0.31	11920378	0.75	120.48
Precious & Semi-precious Stones (cut & uncut)	10052664	0.58	11636361	0.66	11542995	0.72	-0.80
Coal(excluding lignite)	11519938	0.66	5869604	0.33	8710268	0.55	48.40
Bauxite	295203	0.02	922326	0.05	6245777	0.39	577.18
Building and Monumental Stones NES	4364630	0.25	6311353	0.36	5803448	0.36	-8.05
Coke	11645428	0.67	11487428	0.66	5646286	0.35	-50.85
Marble	3265467	0.19	3861834	0.22	5430795	0.34	40.63
Salt (other than common salt)	2075879	0.12	2598358	0.15	5282220	0.33	103.29
Sandstone	3212985	0.18	3865872	0.22	5157602	0.32	33.41
Garnet (abrasive)	1726150	0.10	3500974	0.20	5108666	0.32	45.92
Mica	2258653	0.13	2887097	0.16	3459969	0.22	19.84
Sulphur (excluding sublimed, precipitated & colloidal)	979567	0.06	1671782	0.10	3367000	0.21	101.40
Bentonite	1801785	0.10	2699338	0.15	3160284	0.20	17.08
Chromite	2860566	0.16	4888205	0.28	3107576	0.19	-36.43
Zinc ores & concentrate	2846743	0.16	14156	0.00	2957887	0.19	20894.94
Limestone	683781	0.04	2537858	0.14	2693494	0.17	6.13
Felspar (natural)	1187874	0.07	1518048	0.09	1890429	0.12	24.53
Natural Gas	1191530	0.07	1384872	0.08	1617704	0.10	16.81
Quartz and Quartzite	1209795	0.07	1513888	0.09	1608026	0.10	6.22
Slate	1530571	0.09	1534802	0.09	1463313	0.09	-4.66
Steatite/soapstone	837965	0.05	913949	0.05	1215353	0.08	32.98
Zirconium ores & concentrate	408265	0.02	1772097	0.10	962127	0.06	-45.71
Kaolin	423070	0.02	582117	0.03	736840	0.05	26.58
Sand (excluding metal bearing)	208067	0.01	377436	0.02	455557	0.03	20.70
Abrasive (natural)	1185000	0.07	502710	0.03	432403	0.03	-13.99
Diatomite	39672	0.00	230620	0.01	333768	0.02	44.73
Coal (lignite)	9179	0.00	14583	0.00	321881	0.02	2107.23
Wollastonite	208907	0.01	297241	0.02	281471	0.02	-5.31
Manganese ore	803225	0.05	442306	0.03	269611	0.02	-39.04
Clay (others)	241610	0.01	126294	0.01	178899	0.01	41.65
Graphite (natural)	79686	0.00	101327	0.01	155340	0.01	53.31
Magnesite	203921	0.01	175080	0.01	148751	0.01	-15.04
Sillimanite	29024	0.00	108615	0.01	133322	0.01	22.75
Other Minerals	6411202	0.37	8961231	0.51	1691477	0.11	-81.12

Source: DGCI&S, Kolkata.

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Value of Mineral Exports, 2011-12 and 2012-13



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**Table – 3 : Value of Exports of Ores & Minerals (including Re-exports), 2010-11 to 2012-13
(By Principal Countries)**

Country	2010-11(R)		2011-12		2012-13 (P)		% increase (+) or decrease (-) in 2012-13 over 2011-12
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Countries	1743703991	100.00	1753095005	100.00	1597472186	100.00	-8.88
Hong Kong	338715753	19.43	435840317	24.86	461099846	28.86	5.80
USA	182469056	10.46	260065148	14.83	300625014	18.82	15.60
UAE	481130237	27.59	305939303	17.45	261375039	16.36	-14.57
China	251950209	14.45	247446072	14.11	133232834	8.34	-46.16
Belgium	96165710	5.52	167207931	9.54	126103036	7.89	-24.58
Israel	44183752	2.53	70174741	4.00	63257158	3.96	-9.86
Thailand	18001896	1.03	28936100	1.65	34754785	2.18	20.11
Japan	22196606	1.27	34125886	1.95	34050948	2.13	-0.22
UK	9627945	0.55	15680719	0.89	18194013	1.14	16.03
Singapore	7680762	0.44	13378421	0.76	16936083	1.06	26.59
Bangladesh	3754023	0.22	7343532	0.42	9613878	0.60	30.92
Australia	6168186	0.35	8446294	0.48	9562899	0.60	13.22
Switzerland	6412107	0.37	15294991	0.87	9375531	0.59	-38.70
Malaysia	4157867	0.24	4204795	0.24	8360341	0.52	98.83
Bahrain	13490911	0.77	3101128	0.18	8059630	0.50	159.89
Germany	5184487	0.30	7588066	0.43	7145681	0.45	-5.83
Italy	5446370	0.31	6994001	0.40	6570603	0.41	-6.05
Iran	14902666	0.85	10417434	0.59	6128190	0.38	-41.17
Netherlands	4005064	0.23	5596927	0.32	5668606	0.35	1.28
Saudi Arabia	1949719	0.11	3089548	0.18	5591542	0.35	80.98
Korea, Rep. of	6707568	0.38	8338851	0.48	5470439	0.34	-34.40
Nepal	2954396	0.17	4652749	0.27	5346871	0.33	14.92
France	2260677	0.13	3891033	0.22	4441676	0.28	14.15
Turkey	4277939	0.25	3731899	0.21	4389742	0.27	17.63
Canada	3003795	0.17	4197636	0.24	4143335	0.26	-1.29
South Africa	2600715	0.15	4370842	0.25	4000927	0.25	-8.46
Chinese Taipei/Taiwan	2251007	0.13	2837279	0.16	3227336	0.20	13.75
Brazil	8286155	0.48	8113517	0.46	3074698	0.19	-62.10
Egypt	1456025	0.08	1411539	0.08	2075210	0.13	47.02
Indonesia	1295936	0.07	1866289	0.11	2015973	0.13	8.02
Qatar	580338	0.03	853943	0.05	1959430	0.12	129.46
Poland	1614226	0.09	2431873	0.14	1849177	0.12	-23.96
Lebanon	764537	0.04	1276891	0.07	1427211	0.09	11.77
Vietnam	701616	0.04	1516695	0.09	1407441	0.09	-7.20
Russia	731485	0.04	1125076	0.06	1376779	0.09	22.37
Libya	375630	0.02	127652	0.01	1314614	0.08	929.84
Oman	715555	0.04	682618	0.04	1252992	0.08	83.56
Bhutan	963265	0.06	836181	0.05	1153287	0.07	37.92
Spain	1166987	0.07	1009627	0.06	1132999	0.07	12.22
Kuwait	872779	0.05	1528788	0.09	1106058	0.07	-27.65
Pakistan	695809	0.04	1095007	0.06	1041134	0.07	-4.92
New Zealand	510691	0.03	706971	0.04	1019610	0.06	44.22
Other countries	181323534	10.40	45620695	2.60	17539590	1.10	-61.55

Source: DGCI&S, Kolkata.

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Metals & Alloys:

The value of exports of metals & alloys at ₹1,39,496 crore in the year 2012-13 registered an increase of 36.09% as compared to that of ₹1,02,500 crore in the previous year. The contribution of metals & alloys in the total value of India's exports was 8.54% during the year under review.

Iron & steel with a share of 51.05% continued to hold the top position in the total value of metals exported from India in 2012-13. Gold (non-monetary & monetary) is at second place and accounted for 17.20%. Copper and alloys (including brass and bronze) and ferro alloys including scrap occupied the third and fourth place with a contribution of 11.28 % and 7.31 % respectively. The contribution of aluminium and alloys (incl. scrap) was 6.25 %, zinc and alloys (incl. scrap) was 1.77%, precious metals/metal clad with precious metal was 1.75% and nickel and alloys (incl. scrap) was 1.63%. The individual share of other remaining metals and alloys was less than one per cent.

As compared to the previous year, the value of exports for different important metals had shown a mixed trend in 2012-13 over previous year. The export value of gold (non-monetary & monetary) has increased manifolds and that of nickel and alloys including scrap by more than three times and chromium & alloys and tantalum & scrap by more than double. The export values of other metals & alloys that have shown significant growth are silver 97.67%, manganese & alloys (incl. waste & scrap) 78.10%, molybdenum & scrap 64.08%, antimony alloys and scrap 50.26%, tungsten and alloys (incl. scrap) 37.09%, ferro alloys 21.40%, precious metals/metals clad with precious metals 21.26%, aluminium and alloys (incl. scrap) 20.98% and iron & steel 17.36% percent. However, the export values of metals & alloys that have recorded negative growth during 2012-13 as compared to previous year are cobalt & alloys (incl. waste and scrap) 80.98%, pig & cast iron (incl. speigelisen)

62.70%, silicon 56.40%, mercury 48.99%, magnesium & scrap 40.38%, zinc and alloys (incl. scrap) 31.96%, lead and alloys (incl. scrap) 30.14%, selenium 25.97%, titanium & alloys (incl. waste & scrap) 20.58% and tin and alloys (incl. scrap) 20.33 per cent.

India exported metals & alloys to 199 countries (including country item unspecified) in 2012-13 as against 205 countries in the preceding year. Bulk of the metals and alloys was having share more than 1% to total value exported to 24 countries. These countries together accounted for 79.48% of the total value of exports during 2012-13. UAE with a share of 24.40% occupied the top position during 2012-13 followed by USA and China 9.39% each, Korea, Rep. of 3.68%, Germany 2.94%, Saudi Arabia 2.59% , Belgium 2.57%, Italy 2.55% and Malaysia 2.10 per cent. The individual shares of Thailand, Singapore, Nepal, UK, Indonesia, Iraq, Netherlands, Japan, Chinese Taipei, Bangladesh, Turkey, Canada, Kenya, Nigeria and Spain ranged between 1 and 2 % and less than one percent in respect of the remaining countries.

The increase in the value of exports of metals & alloys for UAE was more than four times, for Chile was more than thrice and for Bangladesh, Mexico and Thailand was more than double during the year 2012-13. The other countries that have recorded significant increase in the value of exports of metals & alloys are Iraq 91.37%, Egypt 89.75%, Singapore 87.33%, Vietnam 85.83%, Russia 83.03%, Ethiopia 70.58%, Oman 61.01%, Turkey 42.45%, Qatar 34.53%, Saudi Arabia 31.51%, Brazil 29.80%, Australia 28.46%, Nepal 26.22%, Kenya 21.60%, USA 18.68% and Malaysia 17.55 per cent. The value of exports of metals & alloys, however, showed a decline for Iran 37.59%, Belgium 30.17%, Kuwait 26.13%, Spain 13.48%, Indonesia 12.39%, and Ghana 7.02% during the year under review (Tables - 4 to 6). Exports of selected mineral-based products during 2010-11 to 2012-13 are furnished in Table-7.

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Table – 4 : Exports of Metals and Alloys, 2010-11 to 2012-13

(Value in ₹'000)

Metals/Alloys	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Metals and Alloys		**	940524476	**	1024998008	**	1394959253
Aluminium alloys & scrap	tonne	428253	56530539	506310	72024819	566762	87132703
Antimony alloys & scrap	tonne	954	464038	1410	872560	2123	1311070
Bismuth & scrap	tonne	++	351	1	979	5	5460
Boron	tonne	48	12818	-	-	-	-
Cadmium waste & scrap	tonne	20	11027	9	3304	15	3211
Cement copper (precipitated)	tonne	2	175	1	74	++	18
Chromium & alloys (scrap)	tonne	18	12041	10	9236	20	21917
Cobalt alloys & scrap:Total	tonne	281	450877	298	424072	67	80649
Cobalt & alloys	tonne	275	448270	285	414093	58	73025
Cobalt (scrap)	tonne	6	2607	13	9979	9	7624
Copper & alloys							
(incl.brass & bronze):Total	tonne	564164	201100005	334913	136844498	332327	157315073
Copper and alloys	tonne	529962	191568150	287488	121138330	291463	137247527
Copper (scrap)	tonne	2709	903167	7531	2749738	4992	1791011
Copper Alloys (scrap)	tonne	19	4971	53	60422	31	41164
Brass & bronze	tonne	31266	8589523	39216	12766019	34938	18012767
Brass & bronze (scrap)	tonne	208	34194	625	129989	903	222604
Ferro alloys : Total	tonne	1554988	94468214	1532694	83992730	1683184	101964984
Ferro-boron	tonne	1	157	2	351	2	721
Ferro-chrome	tonne	774429	50865971	567660	32760788	517724	33106639
Ferro-columbium	tonne	48	7028	2	3711	4	6180
Ferro charge -chrome	tonne	6	1074	39	4709	66	7286
Ferro-manganese	tonne	106272	6232130	159122	8379784	157871	8857051
Ferro-molybdenum	tonne	1646	788314	292	223797	735	447766
Ferro-nickel	tonne	-	-	++	413	1715	1800674
Ferro-niobium	tonne	1754	28857	14	6445	1	1737
Ferro-phosphorous	tonne	216	6184	240	6401	18	1555
Ferro-selenium	tonne					++	50
Ferro-silicon	tonne	41963	2965091	46422	3265270	18824	1459548
Ferro-tantalum	tonne	-	-	10	860	-	-
Ferro-titanium	tonne	46	5065	1041	56766	116	21763
Ferro-tungsten	tonne	8	1475	16	5239	157	28124
Ferro-vanadium	tonne	186	44847	209	92494	488	458454
Ferro-zirconium	tonne	26	1706	115	10269	2	541
Ferro silico-chrome	tonne	50476	878413	15	903	363	20551
Ferro-silico-magnesium	tonne	3955	308922	7047	688615	9114	947969
Ferro silico-manganese	tonne	572551	32265076	732424	37641216	970056	54166178
Ferro-alloys (others)	tonne	1405	67904	18024	844699	5928	632197
Gold,non-monetary & monetary: Total	kg	34595	4275544	169126	19799367	97435	239894620
Gold-Monetary	kg	-	-	6	48584	1	71
Gold,non-monetary : Total	kg	34595	4275544	169120	19750783	97434	239894549
Powder	kg	16	161	-	-	3	428
Other unwrought forms	kg	34492	4155091	169092	19721769	97406	239871316
Other semi-manufactured form	kg	87	120292	28	29014	25	22805
Gold - clad metals/base metals NES	tonne	1	862	++	1423	++	878
Iron & steel: Total	tonne	8353454	505936539	9257059	606834662	10315243	712154758
Iron & Steel (finished steel incld. C.R. sheets)	tonne	4276634	247627934	4092036	239679414	4758680	299369514
Iron & steel							
(Semi-finished steel incl. ingots)	tonne	2462885	105597743	3077643	142508319	3462542	150675645
Iron & steel (steel wire)	tonne	101051	13540016	180872	19154467	115163	17686494
Iron & steel (sponge iron)	tonne	76290	1428667	84437	2019420	116916	2796915
Iron & steel (scrap)	tonne	8301	538084	7301	601715	4226	438100
Iron & steel : alloy steel (granules)	tonne	732	105131	724	49473	3975	96583
Iron & steel : alloy steel (powder)	tonne	89	7605	134	15496	37	6120
Iron & steel							
(Other finished steel, NES)	tonne	1427472	137091359	1813912	202806358	1853704	241085387

(Contd.)

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Table - 4 (Concl.d.)

Metals/Alloys	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Lead and alloys & scrap:Total	tonne	48646	5153688	69629	9074327	47155	6339008
Lead & alloys	tonne	48536	5144743	69628	9074324	47116	6335358
Lead (scrap)	tonne	110	8945	1	3	39	3650
Magnesium & scrap	tonne	87	9232	303	43335	234	25839
Manganese & alloys (including waste & scrap)	tonne	143	118051	57	51592	138	91885
Manganese & alloys (unwrought & wrought)	tonne	75	62960	29	42886	118	80540
Manganese & alloys NES	tonne	68	55091	20	8239	20	11345
Manganese waste & scrap	tonne	-	-	8	467	-	-
Mercury	tonne	95	146840	69	121620	44	62034
Molybdenum & scrap	tonne	19	61006	27	67508	10	110764
Nickel and alloys (incl. scrap):Total	tonne	1429	1500386	5340	5886670	21615	22779895
Nickel & alloys	tonne	1260	1424425	5218	5842047	21338	22663186
Nickel (scrap)	tonne	169	75961	122	44623	277	116709
Other rare metals NES	tonne	12	6915	10	25736	4	4405
Pig & cast iron incl. spiegeliesen	tonne	807783	15412694	821428	27396836	433994	10218710
Platinum, alloys and related Metals :							
Total	kg	3367	231945	382	213170	1780	209126
Platinum (powder, unwrought & others)	kg	191	183203	352	188899	1755	193397
Other metals of platinum group	kg	3176	48742	30	24271	25	15729
Platinum-clad base /precious metals	k\kg	640	24653	1	362	397	556
Precious metals/metals clad with precious metals	tonne	870	18962966	719	20176997	838	24466100
Selenium	tonne	193	722450	184	1187692	192	879234
Silver	tonne	50	1063414	41	1296694	74	2563172
Silver clad base metals	kg	13953	224466	12055	33044	563	4616
Silicon	tonne	201	24020	247	23896	92	10418
Tantalum & scrap: Total	tonne	5	23218	2	35834	7	78085
Tantalum alloys unwrought	tonne	3	9280	++	11957	5	52704
Tantalum & scrap	tonne	2	13938	2	23877	2	25381
Tellurium	tonne	58	13331	13	836	31	3478
Tin and alloys (including scrap)	tonne	1900	403662	1673	413908	1497	329765
Tin & alloys	tonne	274	195481	344	277913	186	179346
Tin & alloys: Worked	tonne	1535	189388	1317	130331	1271	146624
Tin (scrap)	tonne	91	18793	12	5664	40	3795
Titanium & Alloys (including waste & scrap)	tonne	211	233571	399	338371	202	268751
Tungsten and alloys & scrap	kg	430970	669662	638430	1423388	408664	1951349
Zinc and alloys (including scrap)	tonne	264251	32248477	295071	36266217	198675	24676379
Zinc & alloys	tonne	264219	32244982	295033	36262165	198598	24669480
Zinc (scrap)	tonne	32	3495	38	4052	77	6899
Zirconium & scrap	tonne	26	6799	645	112251	1	343

Source: DGCI&S, Kolkata.

** Quantity not given due to partial coverage, value figures however have full coverage.

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**Table – 5 : Value of Exports of Metals & Alloys, 2010-11 to 2012-13
(By Principal Metals & Alloys)**

Metal/Alloys	2010-11(R)		2011-12		2012-13 (P)		% increase (+) or decrease (-) in 2012-13 over 2011-12
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Metals & Alloys	940524476	100.00	1024998008	100.00	1394959253	100.00	36.09
Iron & steel	505936539	53.79	606834662	59.20	712154757	51.05	17.36
Gold (non-monetary & monetary)	4275543	0.45	19799367	1.93	239894620	17.20	1111.63
Copper & alloys (including brass & bronze)	201100005	21.38	136844498	13.35	157315072	11.28	14.96
Ferro alloys	94468214	10.04	83992729	8.19	101964985	7.31	21.40
Aluminium and alloys (incl. scrap)	56530540	6.01	72024819	7.03	87132703	6.25	20.98
Zinc and alloys (including scrap)	32248477	3.43	36266216	3.54	24676378	1.77	-31.96
Precious metals/metals clad with precious metals	18962966	2.02	20176997	1.97	24466100	1.75	21.26
Nickel and alloys (including scrap)	1500386	0.16	5886671	0.57	22779896	1.63	286.97
Pig & cast iron (incl. speigeliessen)	15412694	1.64	27396836	2.67	10218710	0.73	-62.70
Lead and alloys (including scrap)	5153688	0.55	9074328	0.89	6339007	0.45	-30.14
Silver	1063415	0.11	1296694	0.13	2563173	0.18	97.67
Tungsten and alloys (including scrap)	669663	0.07	1423388	0.14	1951350	0.14	37.09
Antimony alloys and scrap	464039	0.05	872560	0.09	1311070	0.09	50.26
Selenium	722450	0.08	1187692	0.12	879234	0.06	-25.97
Tin and alloys (including scrap)	403662	0.04	413906	0.04	329763	0.02	-20.33
Titanium & alloys (including waste & scrap)	233570	0.02	338371	0.03	268751	0.02	-20.58
Platinum alloys & related metals	231944	0.02	213171	0.02	209126	0.01	-1.90
Molybdenum & scrap	61006	0.01	67508	0.01	110764	0.01	64.08
Manganese & alloys (including waste & scrap)	118050	0.01	51593	0.01	91886	0.01	78.10
Cobalt & alloys (including waste and scrap)	450877	0.05	424073	0.04	80649	0.01	-80.98
Tantalum & scrap	23219	0.00	35834	0.00	78086	0.01	117.91
Mercury	146840	0.02	121620	0.01	62034	0.00	-48.99
Magnesium & scrap	9232	0.00	43335	0.00	25838	0.00	-40.38
Chromium & alloys	12041	0.00	9236	0.00	21917	0.00	137.30
Silicon	24020	0.00	23896	0.00	10418	0.00	-56.40
Other metals and alloys	301396	0.03	178008	0.02	22966	0.00	-87.10

Source: DGCI&S, Kolkata.

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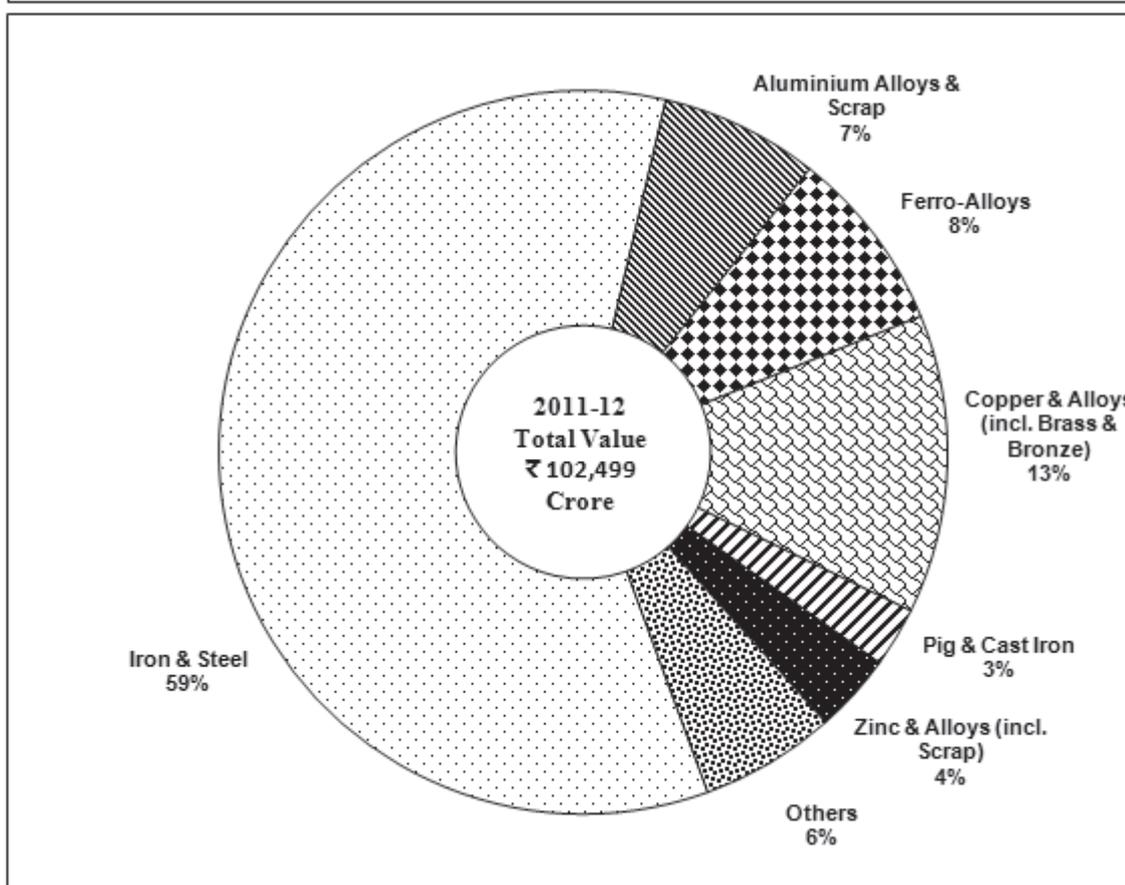
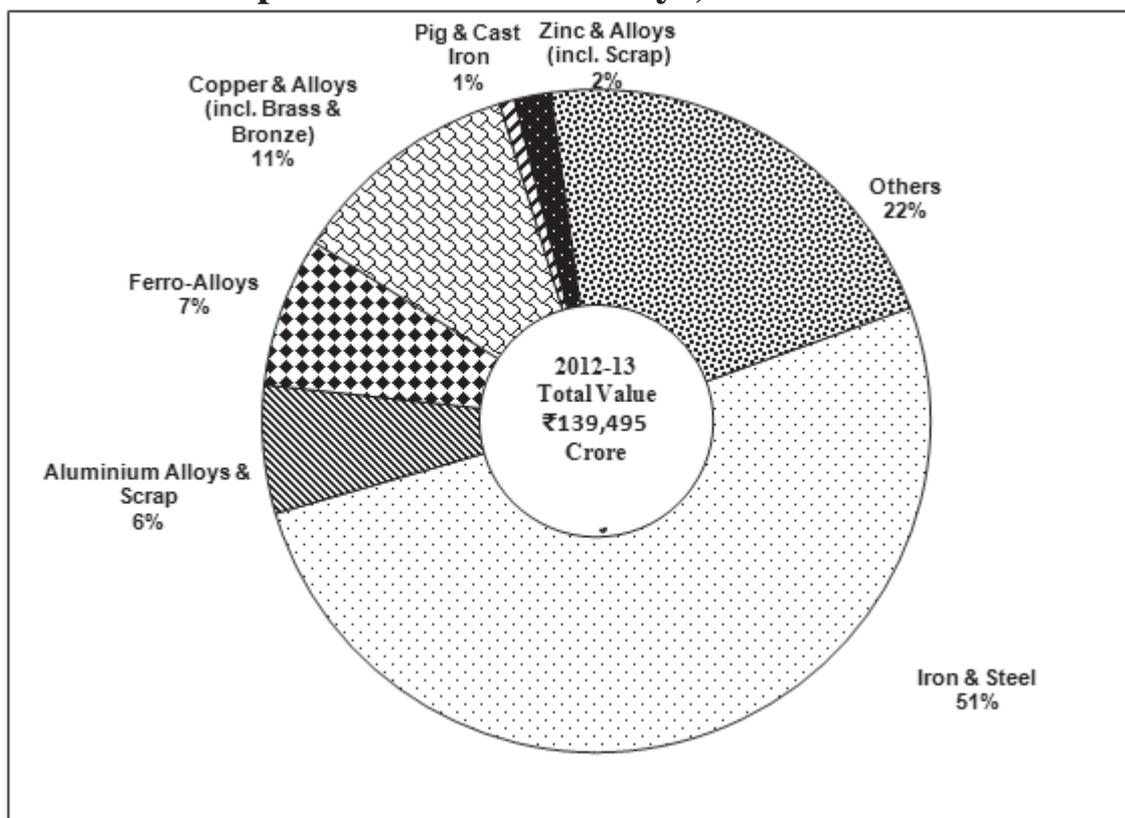
**Table – 6 : Value of Exports of Metals & Alloys, 2010-11 to 2012-13
(By Principal Countries)**

Country	2010-11(R)		2011-12		2012-13 (P)		% increase (+) or decrease (-) in 2012-13 over 2011-12
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Countries	940524476	100.00	1024998008	100.00	1394959253	100.00	36.09
UAE	70807850	7.53	77318574	7.54	340316286	24.40	340.15
USA	81803157	8.70	110379464	10.77	131001647	9.39	18.68
China	161525613	17.17	136469149	13.31	130917406	9.39	-4.07
Korea, Rep. of	39773690	4.23	47389187	4.62	51386545	3.68	8.44
Germany	26505785	2.82	37147576	3.62	41070132	2.94	10.56
Saudi Arabia	49528333	5.27	27486431	2.68	36147290	2.59	31.51
Belgium	47733804	5.08	51355845	5.01	35861046	2.57	-30.17
Italy	27270669	2.90	32536383	3.17	35616304	2.55	9.47
Malaysia	29322211	3.12	24865795	2.43	29230463	2.10	17.55
Thailand	17525894	1.86	12749104	1.24	26866794	1.93	110.73
Singapore	11713204	1.25	13299155	1.30	24913857	1.79	87.33
Nepal	10908278	1.16	18724547	1.83	23634682	1.69	26.22
UK	21654709	2.30	22946231	2.24	22382653	1.60	-2.46
Indonesia	12359539	1.31	21844883	2.13	19138148	1.37	-12.39
Iraq	12500436	1.33	9529309	0.93	18236387	1.31	91.37
Netherlands	12719021	1.35	17777884	1.73	17320437	1.24	-2.57
Japan	20344050	2.16	15470640	1.51	17051360	1.22	10.22
Chinese Taipei/Taiwan	13052382	1.39	16069020	1.57	16709270	1.20	3.98
Bangladesh	6061579	0.64	6298230	0.61	16281490	1.17	158.51
Turkey	9514445	1.01	11138530	1.09	15866673	1.14	42.45
Canada	6472718	0.69	13541729	1.32	15186664	1.09	12.15
Kenya	8545314	0.91	12132155	1.18	14752889	1.06	21.60
Nigeria	10277794	1.09	15005742	1.46	14486043	1.04	-3.46
Spain	6412475	0.68	16487314	1.61	14264095	1.02	-13.48
Australia	5098966	0.54	10723479	1.05	13775713	0.99	28.46
South Africa	7129404	0.76	12867024	1.26	13467782	0.97	4.67
Mexico	2270980	0.24	5258854	0.51	13338446	0.96	153.64
Vietnam	3134551	0.33	7103533	0.69	13200803	0.95	85.83
Sri Lanka	12971467	1.38	12549790	1.22	12074970	0.87	-3.78
Oman	6879395	0.73	6764738	0.66	10892240	0.78	61.01
Brazil	8289430	0.88	7528712	0.73	9772337	0.70	29.80
France	5550876	0.59	8273404	0.81	9404250	0.67	13.67
Iran	28318167	3.01	14109341	1.38	8805526	0.63	-37.59
Ethiopia	1917137	0.20	5134436	0.50	8758110	0.63	70.58
Russia	2033847	0.22	4512826	0.44	8259677	0.59	83.03
Egypt	4795937	0.51	3771003	0.37	7155622	0.51	89.75
Kuwait	25131269	2.67	8078224	0.79	5967354	0.43	-26.13
Ghana	4672993	0.50	6288737	0.61	5847068	0.42	-7.02
Chile	2567835	0.27	1768646	0.17	5695964	0.41	222.05
Peru	2516561	0.27	4880307	0.48	5409543	0.39	10.84
Qatar	2455089	0.26	3876447	0.38	5214945	0.37	34.53
Other countries	100457622	10.68	133545630	13.03	129280342	9.27	-3.19

Source: DGCI&S, Kolkata.

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Value of Exports of Metals & Alloys, 2011-12 and 2012-13



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Table – 7 : Export of Selected Mineral-based Products, 2010-11 to 2012-13

(Value in ₹'000)

Mineral-based-products	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Item		**	2002859704	**	2894361548	**	3246087748
Aluminium fluoride	tonne	7068	336250	3361	218050	3756	240993
Asbestos cement products	tonne	44449	655180	41304	883930	56406	1043640
Bleaching powder	tonne	20686	814663	10515	541756	11137	555441
Boric acid	tonne	692	36777	1751	83449	1465	71485
Briquettes of coke, semi-coke of coal	tonne	79636	1108324	6630	15537	3441	14227
Calcium carbide	tonne	961	34768	1266	59224	1758	85334
Caustic soda	tonne	143788	2569875	82204	1897686	59116	1997662
Cement : Total	tonne	3494859	9184336	3398546	10421215	2808080	9374641
Cement (portland grey)	tonne	2153707	5917218	1957071	6016126	1778814	6006151
Cement (portland white)	tonne	148190	632491	81467	476371	87801	567061
Cement (clinkers)	tonne	1088821	2294170	1267166	2738494	783254	2091095
Cement (others)	tonne	104141	340457	92842	1190224	158211	710334
Cryolite (artificial)	tonne	31	619	11	781	15	1307
Graphite (artificial)	tonne	10170	586987	26154	2601571	23631	2352371
Graphite bricks & shapes	tonne	195	4119	149	2689	37	1626
Graphite crucibles	tonne	1532	36094	699	8450	2290	4644
Hydrofluoric acid	tonne	1501	73834	1660	106472	1191	77714
Manganese oxide: Total	tonne	2885	95474	8972	348457	10888	444917
Manganese oxides (other than manganese dioxide)	tonne	2119	79601	7215	303280	8784	390231
Manganese dioxide	tonne	766	15873	1757	45177	2104	54686
Non-ferrous ash & residues	tonne	271043	268982	245792	3913265	97564	231698
Petroleum products: Total	'000 tonne	59077	1968610000	60837	2846440000	63408	320090000
Light distillates	'000 tonne	24387	873110000	24837	1205490000	25505	1401730000
Naptha	'000 tonne	10655	371380000	10139	456200000	8647	435330000
Other light distillates	'000 tonne	13732	501730000	14698	749290000	16857	966400000
Middle distillates	'000 tonne	24944	858410000	25086	1269510000	27151	1409160000
Heavy ends	'000 tonne	9746	237090000	10914	371440000	10752	390010000
Other refractory manufactures	tonne	90556	1956123	406151	3344587	359150	4027500
Phosphoric acid	tonne	6508	281168	18674	416685	74348	1718637
Phosphorus (elemental)	tonne	337	80004	429	116081	482	272020
Phosphatic fertilizers	tonne	1205	30469	827	10271	456	18468
Potash fertilizer	tonne	30180	599621	32497	707275	13972	442706
Potassium nitrate	tonne	1597	103578	1320	88592	1061	74452
Refractory bricks/fire bricks	tonne	454721	5211193	403835	5715939	374893	6338731
Silicon carbide crucibles	tonne	18649	445940	21897	534043	4029	561122
Slag Dross	tonne	1030569	4613374	1230450	7550373	1289898	7969044
Soda ash	tonne	199764	1828056	257621	3158595	69025	1176318
Sodium nitrate	tonne	100	3094	102	4800	57	2687
Sodium nitrite	tonne	4519	129549	5018	176330	5562	224695
Sulphur (sublimed, precipitated & colloidal): Total	tonne	22332	902212	42673	1857142	11155	1344068
Sulphur (colloidal)	tonne	13621	81076	27506	281813	79	4353
Sulphur (precipitated)	tonne	46	631	205	7002	104	2868
Sulphur (sublimed)	tonne	8665	820505	14962	1568327	10972	1336847
Titanium dioxide & oxide : Total	tonne	50116	2259041	50194	3138303	38011	4519600
Titanium dioxide	tonne	7490	879702	5011	781078	3470	527827
Titanium oxides (other than above)	tonne	42626	1379339	45183	2357225	34541	3991773

Source: DGCI&S, Kolkata.

** Quantity not given due to partial coverage, value figures however have full coverage.

IMPORTS

Ores and Minerals

The value of imports of ores & minerals in 2012-13 accounted for 42.12% of the total value of all merchandise imported into India. During 2012-13, the total value of imports of ores and minerals at ₹11,24,137 crore registered a rise of 19.03% as compared to ₹9,44,430 crore during 2011-12.

Petroleum (crude) continued to be the largest constituent item with a share of 72.49% in the total value of mineral imports in 2012-13. Next in order of importance was diamond with a share of 10.47% followed by coal (excluding lignite) with the contribution of 7.21%, natural gas 3.66% and copper ores & concentrates 2.76%. The combined share of these five minerals was 96.59% in 2012-13 as against 96.8% in the previous year.

The imports value of lead ores & conc., iron ore and emerald (cut & uncut) increased by more than three times as compared to previous year and that of zinc ores & concs. rose to more than double during the year. There was an increase in the value of imports of other minerals like alumina 86.07%, titanium ores & conc. 64.16%, asbestos 58.48%, marble 40.41%, limestone 34.28%, graphite (natural) 27.14%, petroleum (crude) 26.59%, dolomite 25.78%, natural gas 25.15%, manganese ore 24.18%, chromite 23.95% and magnesite 21.53% during the year 2012-13 as compared to that in the previous year. However, the value of imports has declined by 59.75% for nickel ores & conc., 51.68% for fluorite (fluorspar), 45.84% for calcite, 23.97% for sulphur (excluding sublimed, precipitated & colloidal) and 12.09% for rock phosphate and 11.03% for diamond during the year under review over the previous year.

During 2012-13, minerals were imported from 150 countries (figures are inclusive of country item "unspecified"). Approximately 97% of the total value of imports of ores & minerals was confined to 37 countries, out of which 12 countries accounted for about 78.64% of the total value of mineral imports in 2012-13. Saudi Arabia continued to occupy the top position in 2012-13 in terms of imports value and accounted for 14.04% of the total mineral imports. Next in order was Iraq with 9.69% share followed by UAE 9.02%, Kuwait 7.00%, Venezuela 6.83%, Nigeria 6.59%, Qatar 6.01%, Iran 4.68%, Belgium 4%, Angola 3.96%, Australia 3.63%, and Indonesia 3.19%. The individual share of Hong Kong, Mexico, Brazil, Chile, Egypt, South Africa, Colombia and Malaysia varied between 1 and 2 per cent and that of remaining countries was less than one per cent.

Countrywise analysis of imports of ores & minerals in 2012-13 revealed that imports value from Ecuador and Gabon increased manifold and that of Colombia the increase was more than four times, and for Equatorial Guinea, Guinea, Venezuela, Azerbaijan & Mexico it was more than double. The other countries which recorded increase in value of imports of ore and minerals during the year were Ukraine 79.40%, Brunei 69.28%, Chile 62.36%, Angola 41.25%, Canada 40.41%, Qatar 38.46%, South Africa 31.96%, Russia 26.96%, Saudi Arabia 26.21%, Malaysia 22.51% and Iraq 20.75%. Imports value, however, showed a decline of 71.43% for Oman, 71.37% for Algeria, 38.12% for Hong Kong, 33.46%, for China, 24.87% for Jordan, 16.03% for Australia, 5.75% for Iran and 4.98% for Egypt (Tables - 8 to 10).

FOREIGN TRADE

Table – 8 : Imports of Ores and Minerals, 2010-11 to 2012-13

(Value in ₹'000)

Mineral	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Minerals		**	6690100315	**	9444303312	**	11241367286
Abrasives (natural)	tonne	10082	139898	7940	86003	5849	79649
Alabaster	tonne	1237	19920	1138	21525	751	15685
Alumina	tonne	281285	6924573	548891	13215746	1113927	24590975
Andalusite	tonne	5515	104883	6121	131788	13767	262633
Antimony ores and concs.	tonne	2547	446982	3712	1153868	4917	1361490
Arsenic sulphide (natural)	tonne	57	2104	21	1027	40	2621
Asbestos: Total	tonne	365795	10025266	378122	11991739	460449	19004033
Asbestos (chrysotile)	tonne	353441	9939377	377302	11964029	458571	18935163
Asbestos (others)	tonne	12354	85889	820	27710	1309	51115
Asbestos (amphibole)	tonne	-	-	-	-	569	17755
Ballclay	tonne	126695	637682	191310	1023647	156527	1044148
Barytes	tonne	2843	37498	3720	656032	6169	112363
Bauxite	tonne	63584	1201033	78980	1603329	66742	1494744
Bentonite	tonne	2301	74759	3956	122538	3245	130584
Borax: Total	tonne	112225	2427019	96994	2621167	95047	2980036
Natural borate	tonne	48401	801445	32546	658862	26656	638221
Sodium borate	tonne	57107	1347556	59706	1642191	63880	2017625
Other borates	tonne	6717	278018	4742	320114	4511	324190
Building & monumental stones NES	tonne	909936	1527459	1137648	1315295	1209334	1257111
Calcite	tonne	143164	430793	260231	1215618	147146	658422
Chalk	tonne	3185	17140	1884	15919	6003	36136
Chromite: Total	tonne	86456	904750	136204	2019641	216736	2503421
Chrome ore others	tonne	5870	119661	31423	596312	43146	637854
Chrome ore (conc.)	tonne	13	2866	14612	256449	2603	62768
Chrome ore (lumps)	tonne	80573	782223	90169	1166880	170987	1802799
Clay (others)	tonne	11610	103765	13013	144418	14637	194203
Coal (excluding lignite)	'000 tonnes	68918	415494801	102841	788268785	137561	810178496
Coal (lignite)	'000 tonnes	++	310	++	474	++	5407
Coke	tonne	1490210	31203551	2364688	47584537	3077258	56872490
Coal gas	tonne	-	-	2	172	6	616
Cobalt (ores & conc.)	tonne	5041	1515404	1196	1251501	443	548799
Copper ores & conc.	tonne	1902026	200234533	2124501	264510239	2296421	309704411
Corundum (natural)	tonne	-	-	-	-	++	27
Diamond: Total		**	1527908912	**	1322922157	**	1176986143
Diamond (industrial)	crt.	104159	845847	18681	56644	53045	81581
Diamond (mostly cut)	crt.	182227342	1526573162	152810849	1321809654	135729330	1175678084
Diamond (powder)	'000 crt.	136271	489903	204315	1055859	181550	1226478
Diatomite	tonne	1510	47906	1583	46753	3599	109400
Dolomite	tonne	611833	1395183	1594573	2010748	1859996	2529066
Earth clay	tonne	83	4275	65	4751	196	10056
Emerald (uncut & cut): Total		**	4957091	**	10627382	**	37464291
Emerald (uncut)	tonne	51	2394859	78	3037237	127	10094363
Emerald (cut)	'000 crt.	3945	2562232	7906	7590145	9756	27369928
Felspar (natural)	tonne	20409	64063	41627	168923	59956	252204
Felspar (uncut & cut): Total		**	6531	**	3199	**	3590
Felspar (uncut)	tonne	1	2650	70	1053	8	3590
Felspar (cut)	'000 crt.	3	3881	5	2146	-	-
Fireclay	tonne	689	10920	269	5177	1610	22423
Flint	tonne	25	202	1	98	28	1086
Fluorite (fluorspar)	tonne	161925	2333963	183662	4639660	98043	2241949
Garnet (abrasive)	tonne	357	7490	314	5519	1115	19800

(Contd.)

FOREIGN TRADE

Table - 8 (Contd.)

Mineral	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Garnet (uncut & cut): Total		**	16114	**	53509	49	117864
Garnet (uncut)	tonne	3	10671	41	53486	44	110756
Garnet (cut)	'000 crt.	21	5443	++	23	5	7108
Granite: Total	tonne	55554	1163349	64982	1600947	62540	1870582
Granite (crude or roughly trimmed)	tonne	31300	578086	30660	733666	31009	873669
Granite (cut blocks/slabs)	tonne	2375	41510	3399	74268	2312	49713
Granite (polished blocks/tiles)	tonne	6207	157985	2965	87554	4313	148805
Granite (others)	tonne	15672	385768	27958	705459	24906	798395
Graphite (natural)	tonne	14348	460015	19287	944259	19871	1200532
Gypsum & plaster	tonne	1697746	2212981	2776177	3979046	3039607	4755312
Iron ore: Total	'000 tonnes	1867	10284802	978	6885850	3057	25778633
Iron ore conc.: Non agglomerated	'000 tonnes	5	79	++	1362	693	5581892
Iron ore fines	'000 tonnes	55	179933	95	852293	-	-
Iron ore lumps	'000 tonnes	678	18869	81	387590	889	6165682
Iron ore pellets	'000 tonnes	1115	10070122	800	5620047	1474	14002063
Iron ore pyrites	'000 tonnes	14	15799	2	24558	1	28996
Kaolin	tonne	52663	636698	73647	1078287	87865	1095336
Kieselguhr	tonne	156	5670	44	1415	1	55
Kyanite	tonne	504	11318	260	14765	623	20765
Lead ores & concs.	tonne	9722	342050	30282	1915093	56049	7590645
Limestone	tonne	5035678	7043286	8557181	11890531	10615650	15966289
Magnesite: Total	tonne	54929	1590290	72475	2279369	79078	2770015
Magnesia (fused)	tonne	7869	244338	11141	408030	7488	301832
Magnesite (not calcined)	tonne	478	11829	2375	19330	4340	28059
Magnesite (calcined)	tonne	13239	415407	14702	516151	18726	760019
Magnesite: dead-burnt magnesia	tonne	16579	320044	16104	345444	25501	706983
Magnesium oxide	tonne	6264	270221	11254	396842	8028	387000
Magnesite (others)	tonne	10500	328451	16899	593572	14995	586122
Manganese ore: Total	tonne	1299643	17813482	1961396	20632696	2326728	25622446
Manganese ore (46% or more Mn)	tonne	531465	8247614	860032	10178669	813712	10396960
Manganese ore (35% or more but below 46% Mn)	tonne	752600	9386983	1070827	10213710	1319657	13700888
Manganese ore (30% or more but below 35% Mn)	tonne	3097	30401	10253	78138	45851	307326
Manganese ore (ferruginous, 10% Mn or more but below 30% Mn)	tonne	-	-	-	-	40102	252952
Manganese ore (others)	tonne	12481	148484	20284	162179	107406	964320
Marble: Total	tonne	512169	10320860	635962	14466429	757752	20312975
Marble (dressed)	tonne	427558	7273477	532346	9762692	618389	12695212
Marble (others)	tonne	84611	3047383	103616	4703737	139363	7617763
Mica: Total	tonne	1687	411461	2458	599808	2283	557140
Mica (unmanufactured)	tonne	409	13603	894	28004	873	24786
Mica (blocks)	tonne	++	12	133	963	105	1081
Mica (powder)	tonne	126	8429	170	9258	324	11947
Mica (splittings)	tonne	258	4707	445	14998	146	4719
Mica (waste & scrap)	tonne	25	455	146	2785	298	7039
Mica (worked)	tonne	1278	397858	1564	571804	1410	532354
Mica (condenser films, plates cuts NES)	tonne	92	48778	121	41233	9	9697
Mica (washers & discs)	tonne	1	221	14	3248	12	4201
Mica (sheets & strips)	tonne	203	9356	174	23676	261	18429
Micnite & other built-up mica	tonne	22	2122	19	2928	2	309
Mica (bricks)	tonne	4	1389	2	684	-	-
Mica worked (others)	tonne	956	335992	1234	500035	1126	499718

(Contd.)

FOREIGN TRADE

Table - 8 (Concl'd.)

Mineral	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Molybdenum ores & conc.	tonne	4382	6086645	5223	6496596	6861	7522354
Natural gas	tonne	9765763	146481792	13199608	328736293	13135869	411417374
Niobium/Tantalum ores & conc.	tonne	11	9227	96	161086	93	182526
Nickel ores & concs.	tonne	219	143868	41729	2008548	865	808473
Ochre: Total	tonne	1324	141001	1359	66315	1222	61759
Ochre (earth colours)	tonne	50	2404	554	7960	17	437
Ochre (persian red)	tonne	135	15796	31	6460	74	14490
Ochre (red oxide)	tonne	1086	116068	769	50075	1121	42718
Ochre (yellow ochre)	tonne	53	6733	5	1820	10	4114
Petroleum (crude)	'000 tonnes	153120	4216162484	165712	6436885431	192237	8148673568
Precious & semi-precious stones NES: Total		**	7051601	**	8304647	**	8269772
Precious & semi-precious stones (uncut)	tonne	71955	4706924	1847	5855566	1782	5326767
Precious & semi-precious stones (cut)	'000 crt.	5756	2344677	6511	2449081	4503	2943005
Precious metal ores & conc.	kg	167	298094	-	-	840	240260
Quartz & Quartzite (natural)	tonne	496	8699	578	11065	1652	26982
Quartz (natural)	tonne	412	6189	506	8702	730	11815
Quartzite (natural)	tonne	84	2510	72	2363	922	15167
Rock phosphate	tonne	5194203	32110281	9729592	83149873	8160710	73096609
Salts (other than common salt)	tonne	34148	82777	34208	85575	28175	81515
Sand, excluding metal bearing	tonne	22379	28609	22811	53509	12785	42747
Sandstone	tonne	-	-	-	-	42	643
Silica sand	tonne	93741	413702	129490	598457	54379	579833
Sillimanite	tonne	1363	15992	14	2265	74	7401
Slate	tonne	89	3678	201	9426	213	23025
Steatite/soapstone: Total	tonne	10087	130423	5022	141498	2905	121394
Steatite/soapstone (blocks)	tonne	1	129	32	401	140	699
Steatite/soapstone (lumps)	tonne	6594	38009	868	4923	195	2367
Steatite/soapstone (powder & others)	tonne	3492	92285	4122	136174	2570	118328
Sulphur (excluding sublimed, precipitated & colloidal)	tonne	1356774	10977136	2037635	22832892	1547267	17358957
Tin ores & conc.	tonne	195	86167	++	32	21	14088
Titanium ores & concentrates:							
Total	tonne	66759	861652	68501	1731291	77819	2842107
Titanium ores & conc.: Ilmenite	tonne	48747	287449	48150	389054	65876	1403236
Titanium ores & conc.: rutile	tonne	13390	432741	14647	1065112	9826	1254835
Titanium ores & conc. (other)	tonne	4622	141462	5704	277125	2117	184036
Tripoli earth	tonne	19	486	42	593	22	1002
Tungsten ores & conc.	tonne	27	900	327	5179	107	28762
Vanadium ores & conc.	tonne	4	1182	109	10605	1	708
Vermiculite	tonne	312	7519	222	8227	171	8263
Witherite	tonne	3	52	78	1994	50	1364
Wollastonite	tonne	2600	23913	806	12873	1287	24233
Zinc ores & conc.	tonne	88171	3415929	63194	2396487	111912	4997266
Zirconium ores & conc.	tonne	54312	2665929	44400	4320340	34651	3932536
Other Minerals	tonne	40359	367542	61197	540836	58973	664668

Source: DGCI&S, Kolkata.

** Quantity not given due to partial coverage, value figures however have full coverage.

FOREIGN TRADE

**Table – 9 : Value of Imports of Ores & Minerals, 2010-11 to 2012-13
(By Principal Ores/Minerals)**

Ores/Minerals	2010-11(R)		2011-12		2012-13 (P)		% increase (+) or decrease (-) in 2012-13 over 2011-12
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Minerals	6690100315	100.00	9444303312	100.00	11241367286	100.00	19.03
Petroleum (crude)	4216162484	63.02	6436885431	68.16	8148673568	72.49	26.59
Diamond	1527908912	22.84	1322922157	14.01	1176986143	10.47	-11.03
Coal (excluding lignite)	415494800	6.21	788268785	8.35	810178497	7.21	2.78
Natural gas	146481792	2.19	328736293	3.48	411417374	3.66	25.15
Copper ores & conc.	200234533	2.99	264510239	2.80	309704411	2.76	17.09
Rock phosphate	32110281	0.48	83149873	0.88	73096609	0.65	-12.09
Coke	31203551	0.47	47584537	0.50	56872490	0.51	19.52
Emerald (cut & uncut)	4957091	0.07	10627382	0.11	37464291	0.33	252.53
Iron ore	10284801	0.15	6885848	0.07	25778632	0.23	274.37
Manganese ore	17813482	0.27	20632696	0.22	25622446	0.23	24.18
Alumina	6924573	0.10	13215746	0.14	24590975	0.22	86.07
Marble	10320860	0.15	14466429	0.15	20312974	0.18	40.41
Asbestos	10025266	0.15	11991739	0.13	19004033	0.17	58.48
Sulphur (excluding Sublimed, Precipitated & Colloidal)	10977136	0.16	22832892	0.24	17358957	0.15	-23.97
Limestone	7043286	0.11	11890531	0.13	15966289	0.14	34.28
Precious & semi-precious Stones (cut & uncut)	7051602	0.11	8304647	0.09	8269773	0.07	-0.42
Lead ores & conc.	342050	0.01	1915093	0.02	7590645	0.07	296.36
Molybdenum ores & conc.	6086645	0.09	6496596	0.07	7522354	0.07	15.79
Zinc ores & conc.	3415929	0.05	2396487	0.03	4997266	0.04	108.52
Gypsum	2212981	0.03	3979046	0.04	4755312	0.04	19.51
Zirconium ores & conc.	2665929	0.04	4320340	0.05	3932536	0.03	-8.98
Borax	2427018	0.04	2621167	0.03	2980036	0.03	13.69
Titanium ores & conc.	861652	0.01	1731291	0.02	2842107	0.03	64.16
Magnesite	1590290	0.02	2279369	0.02	2770014	0.02	21.53
Dolomite	1395183	0.02	2010748	0.02	2529066	0.02	25.78
Chromite	904750	0.01	2019641	0.02	2503421	0.02	23.95
Fluorite (fluorspar)	2333963	0.03	4639660	0.05	2241949	0.02	-51.68
Granite	1163350	0.02	1600947	0.02	1870582	0.02	16.84
Bauxite	1201032	0.02	1603329	0.02	1494744	0.01	-6.77
Antimony ores & conc.	446982	0.01	1153868	0.01	1361490	0.01	17.99
Building and Monumental Stones, NES	1527459	0.02	1315295	0.01	1257111	0.01	-4.42
Graphite (natural)	460015	0.01	944259	0.01	1200532	0.01	27.14
Kaolin	636698	0.01	1078287	0.01	1095336	0.01	1.58
Ball clay	637682	0.01	1023647	0.01	1044148	0.01	2.00
Nickel ores & conc.	143868	0.00	2008548	0.02	808473	0.01	-59.75
Calcite	430793	0.01	1215618	0.01	658422	0.01	-45.84
Silica sand	413702	0.01	598457	0.01	579833	0.01	-3.11
Other Minerals	3807894	0.06	4446394	0.05	4034447	0.04	-9.26

Source: DGCI&S, Kolkata.

FOREIGN TRADE

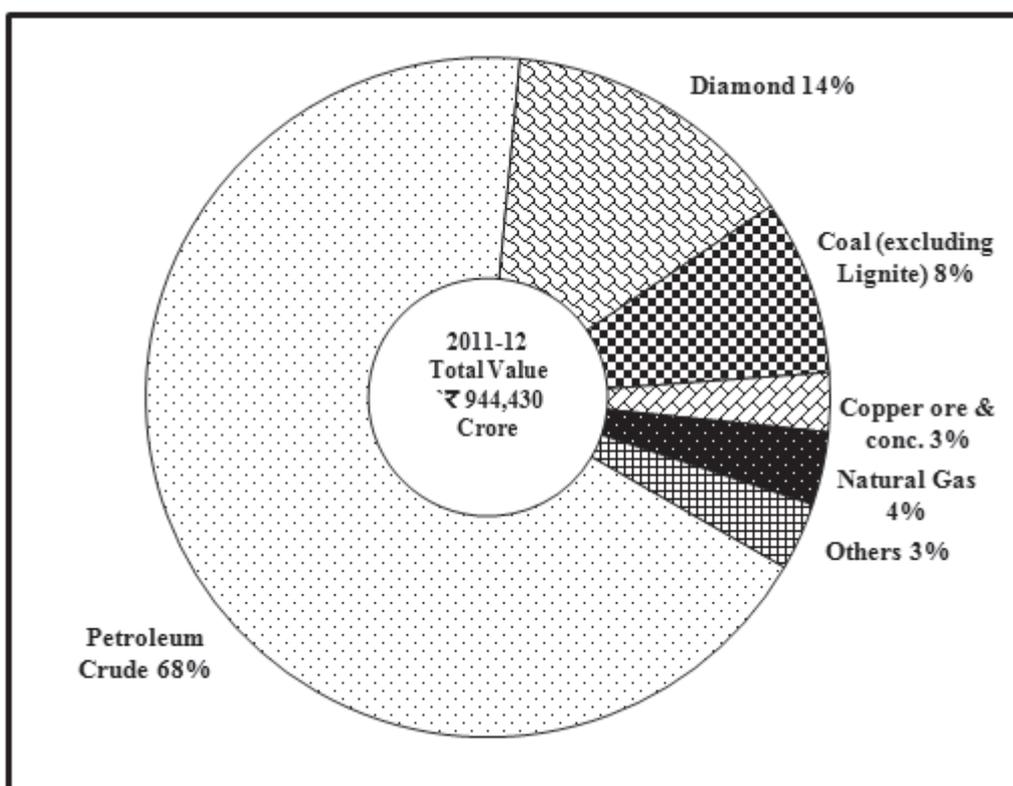
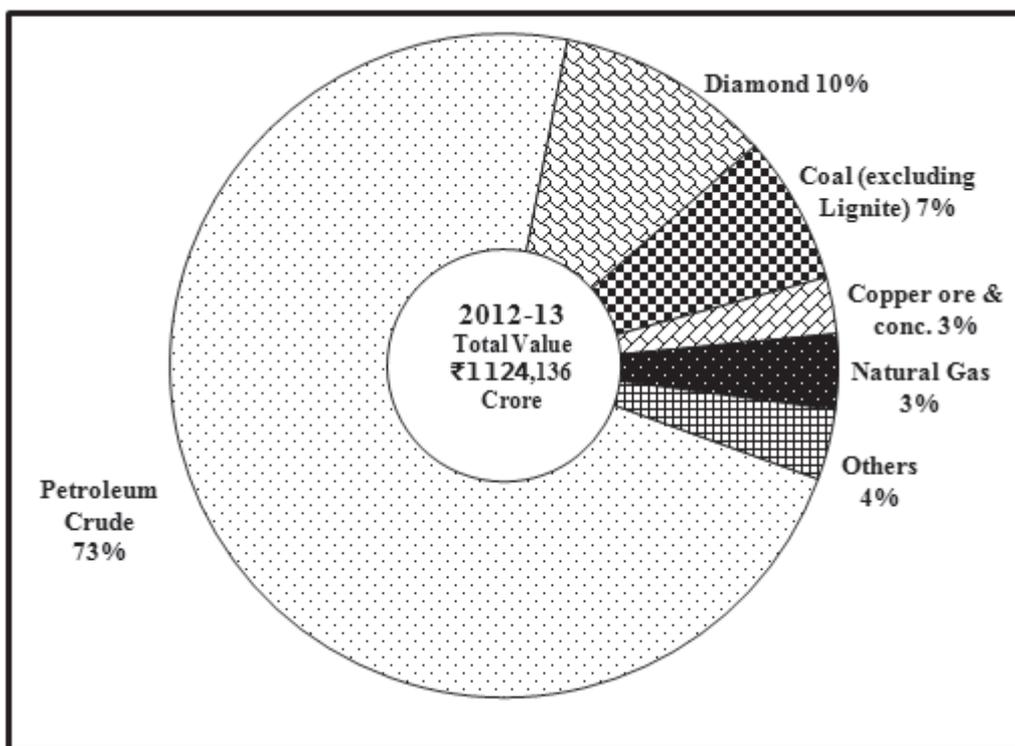
**Table – 10 : Value of Imports of Ores & Minerals, 2010-11 to 2012-13
(By Principal Countries)**

Country	2010-11(R)		2011-12		2012-13 (P)		% increase (+) or decrease (-) in 2012-13 over 2011-12
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Countries	6690100315	100.00	9444303312	100.00	11241367286	100.00	19.03
Saudi Arabia	745766548	11.15	1250663851	13.24	1578466206	14.04	26.21
Iraq	407338682	6.09	902529099	9.56	1089822204	9.69	20.75
UAE	972371127	14.53	946902280	10.03	1014319362	9.02	7.12
Kuwait	400062416	5.98	690418307	7.31	787282595	7.00	14.03
Venezuela	237198060	3.55	320291805	3.39	767456656	6.83	139.61
Nigeria	484285160	7.24	691057737	7.32	741112018	6.59	7.24
Qatar	258017070	3.86	487636196	5.16	675188064	6.01	38.46
Iran	439795940	6.57	557774315	5.91	525685176	4.68	-5.75
Belgium	319352737	4.77	394255732	4.17	449307212	4.00	13.96
Angola	231709448	3.46	314906696	3.33	444796857	3.96	41.25
Australia	289408116	4.33	485543879	5.14	407700466	3.63	-16.03
Indonesia	160263933	2.40	307085598	3.25	359065946	3.19	16.93
Hong Kong	323172517	4.83	334590704	3.54	207046039	1.84	-38.12
Mexico	28456133	0.43	83431799	0.88	179880625	1.60	115.60
Brazil	100642737	1.50	159676912	1.69	170811177	1.52	6.97
Chile	59854933	0.89	90106888	0.95	146298173	1.30	62.36
Egypt	53557835	0.80	131780644	1.40	125212718	1.11	-4.98
South Africa	75170301	1.12	93299145	0.99	123121549	1.10	31.96
Colombia	36941918	0.55	26115958	0.28	121411160	1.08	364.89
Malaysia	67574947	1.01	97916727	1.04	119960203	1.07	22.51
USA	102349894	1.53	113367960	1.20	111398943	0.99	-1.74
Azerbaijan	8754606	0.13	40262093	0.43	88280642	0.79	119.26
Israel	55898933	0.84	67794902	0.72	66928641	0.60	-1.28
UK	53613673	0.80	67571384	0.72	66418759	0.59	-1.71
Russia	43638504	0.65	52287100	0.55	66385672	0.59	26.96
Brunei	10623176	0.16	34856370	0.37	59003737	0.52	69.28
Yemen Republic	76541724	1.14	46046509	0.49	44373031	0.39	-3.63
Ecuador	6442016	0.10	5063	0.00	43947513	0.39	867913.29
Gabon	12423312	0.19	6203023	0.07	43297700	0.39	598.01
China	28559732	0.43	63508535	0.67	42261031	0.38	-33.46
Jordan	16010711	0.24	43911490	0.46	32988628	0.29	-24.87
Canada	7326407	0.11	22485915	0.24	31573167	0.28	40.41
Algeria	77877298	1.16	101443687	1.07	29046803	0.26	-71.37
Equatorial Guinea		0.00	10420206	0.11	28345904	0.25	172.03
Oman	144861436	2.17	95226076	1.01	27208019	0.24	-71.43
Guinea	3598326	0.05	10106459	0.11	27055839	0.24	167.71
Ukraine	2273405	0.03	12961689	0.14	23253533	0.21	79.40
Other countries	348366604	5.21	289860579	3.07	375655318	3.34	29.60

Source: DGCI&S, Kolkata.

FOREIGN TRADE

Value of Mineral Imports, 2011-12 and 2012-13



FOREIGN TRADE

Metals & Alloys:

The value of imports of metals & alloys at ₹4,43,996 crore showed an increase of 6.14% in 2012-13 as compared to ₹4,18,310 crore in the previous year. The contribution of metals & alloys in the total value of all merchandise imported to India was about 17% in 2012-13.

Gold, non-monetary & monetary (total) with a share of about 66% continued to occupy the top position in the total value of imports of metals & alloys in 2012-13. Iron & steel was at second place and accounted a share of 20.15%. Aluminium and alloys (including scrap) occupied the third place with a share of 3.93 per cent. Next in order was copper & alloys (including brass & bronze) 3.59%, silver 2.43% and nickel and alloys (including scrap) 1.24 per cent. The individual share of remaining metals was less than one per cent of the total value of metals & alloys of imports.

The value of imports of zirconium & scrap has increased by more than double as compared to previous year. The value of imports of metals and alloys which has shown significant growth are antimony (alloys and scrap) 55.79%, nickel and alloys (including scrap) 41.26%, bismuth & scrap 38.55%, tantalum & scrap 33.86%, precious metals / metals clad with precious metals 32.86%, zinc and alloys (including scrap) 28.62%, magnesium & scrap 26.02%, mercury 25.01%, copper & alloys (including brass & bronze) 24.28%, aluminium and alloys (including scrap) 23.28% and selenium 21.31% in 2012-13 as compared to that in the previous year. On the other hand, during 2012-13, the value of imports of metals and alloys that has shown a declining trend is silver 56.29%, cobalt & alloys (including waste & scrap) 26.30%, tellurium 16.23%, cadmium (including waste & scrap)

10.65% and molybdenum & scrap 4.81% as compared to the previous year.

India imported metals & alloys from 187 countries in 2012-13 as against 190 countries in 2011-12 (both figures include “unspecified” country item). Bulk of the metals & alloys was imported from 37 countries (including “unspecified” country item) which accounted for 96.74 % of the total value of metal imports in 2012-13. Switzerland occupied the top position with a share of 33.64% of the total value of metal imports in 2012-13 followed by UAE in second place with a share of 13.76 per cent. The countries next in the order were South Africa 6.49%, China 6.32%, USA 6.04%, Australia 3.99%, Korea, Rep. of 3.46% and Japan 3.60 per cent. The individual share of UK, Germany, Russia, Hong Kong, and Singapore was between 1% and 3% and that of remaining countries was less than one per cent.

During the year under review, imports in terms of value from Tanzania rose by manifold, from Pakistan it increased by more than three times and Zambia, Finland and Singapore by more than double. The other countries which have recorded positive growth in imports are USA 93.05%, Turkey 52.67%, Kuwait 35.67%, Canada 34.62%, Hong Kong 31.14%, Indonesia 27.00%, Brazil 26.35%, Japan 24.76%, Thailand 23.74%, Oman 18.52%, Bahrain 18.46% and Korea, Rep. of 16.85 per cent. Decline in the value of imports of metals & alloys was however observed in 2012-13 in case of Ukraine 39.96%, Poland 31.97%, Chinese Taipei/Taiwan 30.30%, Belgium 23.82%, Italy 22.66% and Spain 21.33% as compared to previous year (Tables - 11 to 13).

Imports of selected mineral-based products during 2010-11 to 2012-13 are furnished in Table-14.

FOREIGN TRADE

Table – 11: Imports of Metals and Alloys, 2010-11 to 2012-13

(Value in ₹'000)

Metal/Alloy	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Metals and Alloys		**	2868348244	**	4183099235	**	4439964418
Aluminium alloys & scrap	tonne	881144	101220027	1108292	141716112	1326766	174709552
Antimony alloys & scrap	tonne	543	256726	380	356570	769	555508
Bismuth & scrap	tonne	112	107370	117	140378	155	194490
Boron	tonne	++	1027	++	335	++	765
Cadmium & scrap	tonne	655	122567	567	84058	693	75108
Chromium alloys & scrap	tonne	706	404055	746	500440	675	486843
Cobalt alloys & scrap: Total	tonne	726	1574437	994	1912305	672	1409349
Cobalt & alloys	tonne	726	1573775	994	1911680	672	1409349
Cobalt (scrap)	tonne	++	662	++	625	-	-
Copper (cement copper precipitated)	tonne	147	21437	30	5166	20	12245
Copper & alloys(incl.brass & bronze)	tonne	260108	85717042	350290	128268204	408317	159407408
Copper and alloys	tonne	140163	51176534	172084	74403982	184656	86453791
Copper (scrap)	tonne	39651	14423261	57866	22347427	56502	23743328
Copper alloys (scrap)	tonne	-	-	6	2587	-	-
Brass & bronze	tonne	16714	6022873	16271	6841230	19406	8620278
Brass & bronze (scrap)	tonne	63580	14094374	104063	24672978	147753	40590011
Ferro alloys: Total	tonne	225263	25230287	278759	29752569	279513	35802706
Ferro-boron	tonne	429	58265	642	124181	779	154825
Ferro-chrome	tonne	22412	3041559	32064	3694428	33728	3982920
Ferro charge -chrome	tonne	2503	125126	34731	1847286	19440	1073849
Ferro-manganese	tonne	38929	2140883	24660	1732494	41942	2805528
Ferro-molybdenum	tonne	963	1443459	1067	1541479	656	870906
Ferro-nickel	tonne	6862	4892738	6864	4796001	31801	12198988
Ferro-niobium	tonne	1432	2221360	1660	2355931	1380	2650527
Ferro-phosphorous	tonne	1749	38095	2373	56798	1739	46328
Ferro-silicon	tonne	135094	8660391	148759	10206947	134834	9419073
Ferro-titanium	tonne	1658	397378	1370	496047	1631	594182
Ferro-tungsten	tonne	72	71671	10	23797	16	35707
Ferro-tantalum	tonne	1	2011	-	-	-	-
Ferro-vanadium	tonne	891	1005527	907	1098356	577	744080
Ferro silico-chrome	tonne	16	2156	107	7137	20	1630
Ferro-silico-magnesium	tonne	1597	139830	2227	235038	906	101364
Ferro silico-manganese	tonne	1642	87831	13223	529245	2612	140282
Ferro zirconium	tonne	238	36640	689	75704	215	34646
Ferro-alloys (others)	tonne	8775	865367	7406	931700	7237	945413
Ferro-cobalt	tonne	-	-	-	-	++	2458
Gold, non-monetary & monetary: Total	kg	969738	1847287525	1078354	2699007054	1013703	2921530349
Gold, monetary	kg	-	-	-	-	1	7
Gold, non-monetary: Total	kg	969738	1847287525	1078354	2699007054	1013702	2921530342
Gold, non-monetary: powder	kg	2	99	-	-	27	65790
Gold, non-monetary: other semi-manufactured forms	kg	51961	102954219	49905	116688900	98309	280340366
Gold, non-monetary, other unwrought forms	kg	917775	1744333207	1028449	2582318154	915366	2641124186
Gold-clad metals/base metals NES.	tonne	++	522	++	1939	++	1923
Iron & steel: Total	tonne	14401512	616497590	17381812	814625474	18907982	894554930
Iron & steel (finished steel incl. C.R. sheets)	tonne	2981662	200100488	3631437	258832822	3638633	262785578
Iron & steel (semi-finished steel incl. ingots)	tonne	5853171	199872343	5379027	213386401	5228345	211349293

(Contd.)

FOREIGN TRADE

Table - 11 (Concl'd.)

Metal/Alloy	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Iron & steel (steel wire)	tonne	163060	11174142	154054	12647308	195587	15102300
Iron & steel (sponge iron)	tonne	41982	729817	660604	15987473	1084524	22910852
Iron & steel (scrap)	tonne	4557022	108688994	6962722	188938245	8197917	243564965
Iron & steel (alloy steel (granules))	tonne	13866	567809	15277	736042	16186	873541
Iron & steel (alloy steel (powder))	tonne	2068	396792	2263	543391	1877	437692
Iron & steel (other finished steel, NES)	tonne	788681	94967205	576428	123553792	544913	137530709
Lead and alloys & scrap	tonne	285662	27568237	240698	27100104	238631	27781629
Lead & alloys	tonne	227387	22411491	174045	20575192	187138	22592427
Lead (scrap)	tonne	58275	5156746	66653	6524912	51493	5189202
Magnesium & scrap	tonne	11151	1566701	11976	2068338	14509	2606589
Manganese & alloys including waste & scrap: Total	tonne	13982	2028316	15890	2658100	20076	2803314
Manganese & alloys (unwrought & wrought)	tonne	13565	1953655	15625	2619189	18742	2611911
Manganese & alloys, NES	tonne	417	74661	265	38911	1334	191403
Mercury	tonne	191	243129	177	582676	163	728392
Molybdenum & scrap	tonne	412	932478	826	1354032	486	1288911
Nickel and alloys (incl. scrap)	tonne	33306	32130836	34787	39121536	54424	55264147
Nickel & alloys	tonne	32264	31797943	33658	38729885	53755	54973981
Nickel (scrap)	tonne	1042	332893	1129	391651	669	290166
Other rare metals, NES	tonne	44	164666	118	333218	152	279983
Pig & cast iron incl. spiegeliesen	tonne	48291	2316267	44156	2713997	53974	3134639
Platinum, alloys and related metals: Total	kg	5072	8451719	6129	11732833	6188	12030962
Platinum (powder, unwrought & others)	kg	2275	5872712	3219	8406188	3695	9053242
Other metals of platinum group	kg	2797	2579007	2910	3326645	2493	2977720
Platinum-clad base/precious metals	kg	5	405	7	1435	4	1416
Precious metals/metals clad with precious metals	tonne	4	124220	++	209272	64	278034
Selenium	tonne	209	699503	194	1174174	234	1424362
Silicon	tonne	32055	3523172	35380	4256979	36882	4536825
Silver	tonne	2656	89531561	4661	247042322	2015	107973660
Silver clad base metals	kg	5	148	1174	32270	639	8230
Tantalum & scrap: Total	tonne	14	22580	3	23755	3	31799
Tantalum alloys unwrought	tonne	11	20361	3	22776	3	30722
Tantalum & scrap	tonne	3	2219	++	979	++	1077
Tellurium	tonne	3	35182	1	30262	1	25349
Tin and alloys (incl. scrap)	tonne	7494	7258073	8055	8789035	7803	9254270
Tin & alloys	tonne	7104	7114189	7792	8664921	7638	9142180
Tin (scrap)	tonne	43	994	++	214	++	2
Tin & alloys: worked	tonne	347	142890	263	123900	165	112088
Titanium alloys & scrap	tonne	822	1135500	1504	2149522	1310	2455456
Tungsten alloys & scrap	kg	404654	848380	637994	1634925	462557	1656481
Zinc and alloys (incl. scrap)	tonne	112228	11302210	131432	13704756	163924	17627318
Zinc & alloys	tonne	82411	8635693	82852	9595657	102672	12125730
Zinc (scrap)	tonne	29817	2666517	48580	4109099	61252	5501588
Zirconium & scrap	tonne	12	24349	7	15090	11	31476

Source: DGCI&S, Kolkata.

** Quantity not given due to partial coverage, value figures however have full coverage.

FOREIGN TRADE

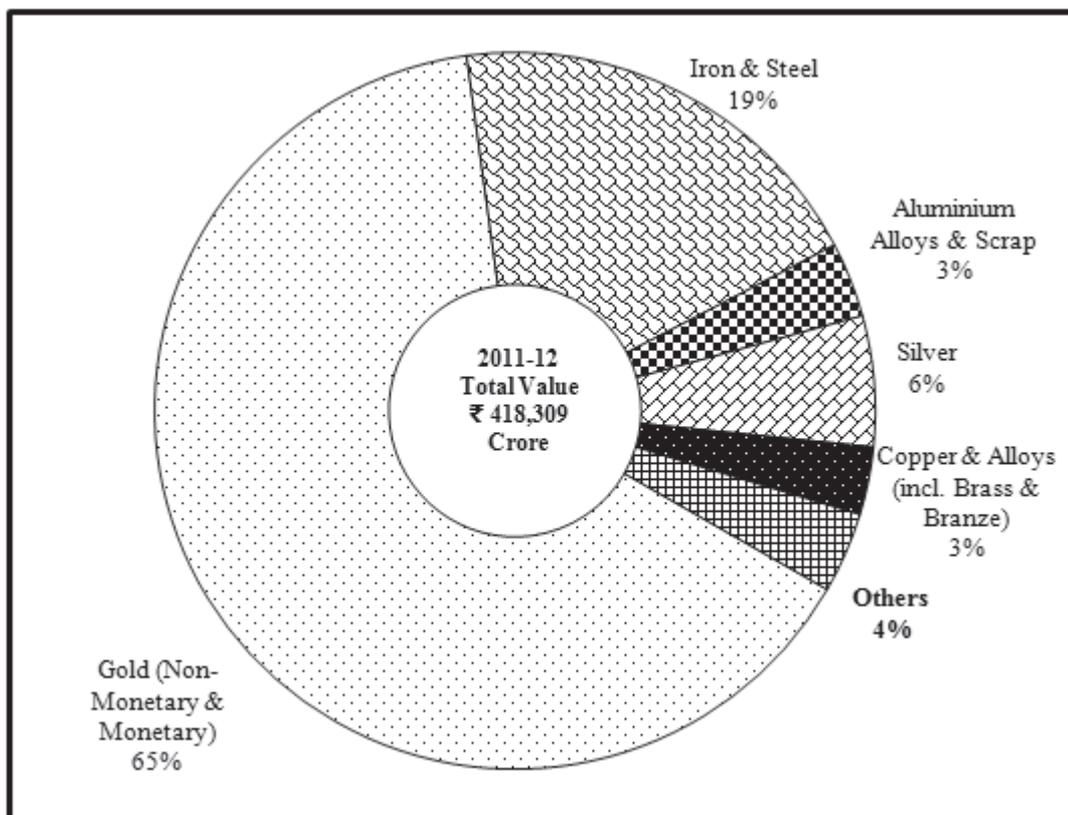
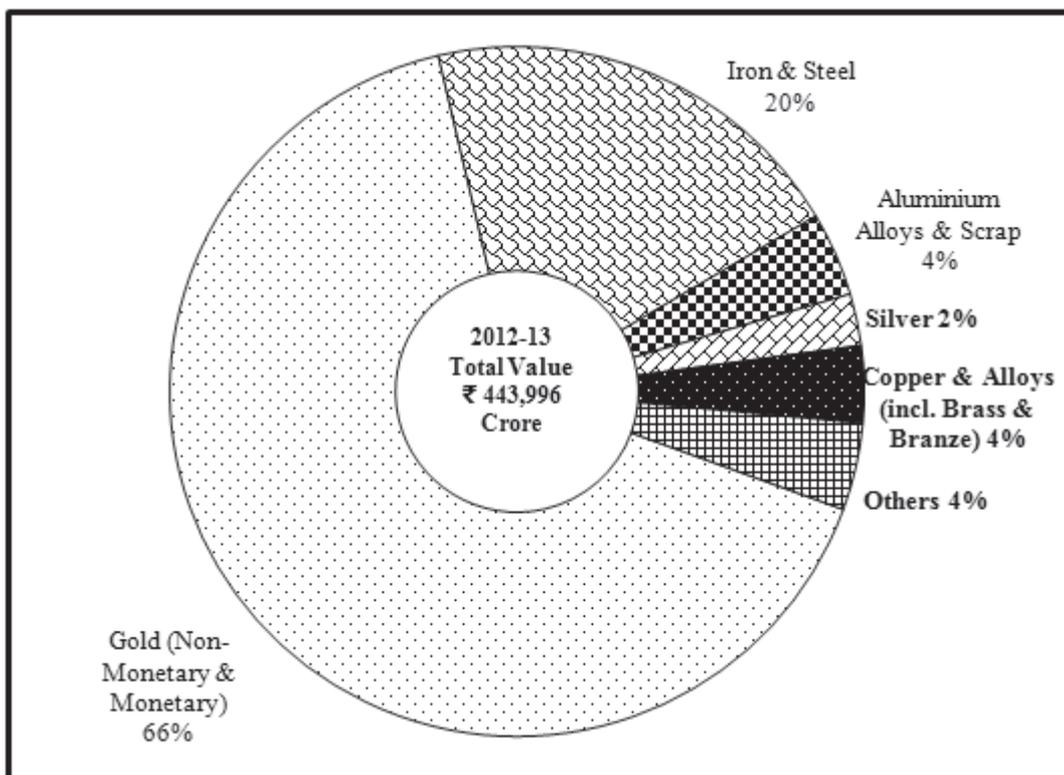
**Table – 12 : Value of Imports of Metals & Alloys, 2010-11 to 2012-13
(By Principal Metals & Alloys)**

Metal/Alloy	2010-11(R)		2011-12		2012-13 (P)		% increase (+) or decrease (-) in 2012-13 over 2011-12
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Metals & Alloys	2868348244	100.00	4183099235	100.00	4439964419	100.00	6.14
Gold (non-monetary & monetary): Total	1847287526	64.40	2699007054	64.52	2921530350	65.80	8.24
Iron & steel	616497591	21.49	814625474	19.47	894554929	20.15	9.81
Aluminium and alloys (incl. scrap)	101220027	3.53	141716111	3.39	174709553	3.93	23.28
Copper & alloys (incl. brass & bronze)	85717043	2.99	128268204	3.07	159407407	3.59	24.28
Silver	89531561	3.12	247042322	5.91	107973660	2.43	-56.29
Nickel and alloys (incl. scrap)	32130836	1.12	39121537	0.94	55264147	1.24	41.26
Ferro alloys	25230288	0.88	29752568	0.71	35802706	0.81	20.33
Lead and alloys (incl. scrap)	27568236	0.96	27100104	0.65	27781629	0.63	2.51
Zinc and alloys (incl. scrap)	11302211	0.39	13704756	0.33	17627318	0.40	28.62
Platinum alloys & related metals	8451719	0.29	11732832	0.28	12030962	0.27	2.54
Tin and alloys (incl. scrap)	7258073	0.25	8789035	0.21	9254271	0.21	5.29
Silicon	3523172	0.12	4256979	0.10	4536825	0.10	6.57
Pig & cast iron (incl. spiegeliesen)	2316267	0.08	2713997	0.06	3134639	0.07	15.50
Manganese & alloys (incl. waste & scrap)	2028316	0.07	2658100	0.06	2803315	0.06	5.46
Magnesium & scrap	1566702	0.05	2068337	0.05	2606590	0.06	26.02
Titanium & Alloys (incl. waste & scrap)	1135499	0.04	2149523	0.05	2455456	0.06	14.23
Tungsten and alloys (incl. scrap)	848380	0.03	1634925	0.04	1656481	0.04	1.32
Selenium	699503	0.02	1174174	0.03	1424362	0.03	21.31
Cobalt & alloys (incl. waste & scrap)	1574437	0.05	1912304	0.05	1409349	0.03	-26.30
Molybdenum & scrap	932478	0.03	1354032	0.03	1288911	0.03	-4.81
Mercury	243129	0.01	582676	0.01	728392	0.02	25.01
Antimony alloys and scrap	256725	0.01	356570	0.01	555508	0.01	55.79
Chromium & alloys	404055	0.01	500439	0.01	486843	0.01	-2.72
Precious metals/metals clad with precious metals	124220	0.00	209272	0.01	278034	0.01	32.86
Bismuth & scrap	107371	0.00	140377	0.00	194490	0.00	38.55
Cadmium (incl. waste & scrap)	122567	0.00	84058	0.00	75108	0.00	-10.65
Tantalum & scrap	22580	0.00	23756	0.00	31799	0.00	33.86
Zirconium & scrap	24349	0.00	15089	0.00	31476	0.00	108.60
Tellurium	35182	0.00	30262	0.00	25349	0.00	-16.23
Other metals & alloys	188201	0.01	374368	0.01	304560	0.01	-18.65

Source: DGCI&S, Kolkata.

FOREIGN TRADE

Value of Imports of Metals & Alloys, 2011-12 and 2012-13



FOREIGN TRADE

**Table – 13 : Value of Imports of Metals & Alloys, 2010-11 to 2012-13
(By Principal Countries)**

Country	2010-11(R)		2011-12		2012-13 (P)		% increase (+) or decrease (-) in 2012-13 over 2011-12
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Countries	2868348244	100.00	4183099235	100.00	4439964419	100.00	6.14
Switzerland	1035064968	36.09	1434506278	34.29	1493693344	33.64	4.13
UAE	391933121	13.66	550648528	13.16	610985885	13.76	10.96
South Africa	218567066	7.62	343132955	8.20	288265617	6.49	-15.99
China	195363686	6.81	299935446	7.17	280676647	6.32	-6.42
US	95071736	3.31	138893245	3.32	268130795	6.04	93.05
Australia	160306464	5.59	178921456	4.28	177061327	3.99	-1.04
Korea, Rep. of	87418595	3.05	131441908	3.14	153587070	3.46	16.85
Japan	67358559	2.35	108968617	2.60	135947494	3.06	24.76
UK	67807704	2.36	137404088	3.28	114199565	2.57	-16.89
Germany	54193926	1.89	100108342	2.39	110666696	2.49	10.55
Russia	49545777	1.73	87320242	2.09	73536347	1.66	-15.79
Hong Kong	30256533	1.05	46233284	1.11	60632634	1.37	31.14
Singapore	14486974	0.51	27979594	0.67	57716830	1.30	106.28
Malaysia	30017617	1.05	45367964	1.08	43511196	0.98	-4.09
Thailand	18212751	0.63	26353038	0.63	32609139	0.73	23.74
Chinese Taipei/Taiwan	33929487	1.18	45831477	1.10	31946621	0.72	-30.30
France	15659971	0.55	28794788	0.69	30386383	0.68	5.53
Italy	19776884	0.69	38453737	0.92	29741554	0.67	-22.66
Netherlands	18942157	0.66	22315383	0.53	25316042	0.57	13.45
Oman	5384642	0.19	20903048	0.50	24773856	0.56	18.52
Saudi Arabia	14744574	0.51	22111365	0.53	24242796	0.55	9.64
Belgium	16742088	0.58	30910180	0.74	23546939	0.53	-23.82
Turkey	6291147	0.22	12762949	0.31	19484719	0.44	52.67
Brazil	13193149	0.46	13958511	0.33	17637068	0.40	26.35
Sweden	12090025	0.42	16905577	0.40	17173683	0.39	1.59
Finland	8413482	0.29	7533783	0.18	16224639	0.37	115.36
Zambia	459553	0.02	7118393	0.17	15863712	0.36	122.86
Indonesia	14079354	0.49	11989675	0.29	15226825	0.34	27.00
Ukraine	20270501	0.71	24370137	0.58	14630875	0.33	-39.96
Canada	7965656	0.28	10782109	0.26	14515402	0.33	34.62
Tanzania	630454	0.02	1308701	0.03	14364816	0.32	997.64
Spain	10545747	0.37	15704387	0.38	12354965	0.28	-21.33
Peru	186826	0.01	11660155	0.28	10799123	0.24	-7.38
Kuwait	4584483	0.16	6999043	0.17	9495786	0.21	35.67
Bahrain	7330041	0.26	7723220	0.18	9148795	0.21	18.46
Pakistan	1450451	0.05	2940817	0.07	8851665	0.20	200.99
Poland	4059858	0.14	11900378	0.28	8095445	0.18	-31.97
Other countries	116012237	4.04	152906437	3.66	144922124	3.26	-5.22

Source: DGCI&S, Kolkata.

FOREIGN TRADE

Table – 14 : Imports of Selected Mineral-based Products 2010-11 to 2012-13

(Value in ₹'000)

Mineral-based-product	Unit	2010-11(R)		2011-12		2012-13(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Item		**	700910076	**	900342904	**	885082132
Aluminium fluoride	tonne	13988	659655	28448	2018783	26244	1908647
Asbestos cement products	tonne	5561	111165	6641	202887	12649	323631
Bleaching powder	tonne	72	3156	108	4450	11	185
Boric acid	tonne	9407	314416	7918	349536	12841	650562
Briquettes of coke, semi-coke of coal	tonne	100	685	10769	106569	25	717
Calcium carbide	tonne	56479	1904603	56500	2150700	57864	2473443
Caustic soda	tonne	138480	2076410	212642	4281093	301931	7545707
Cement: Total	tonne	1095624	3526386	1011064	3795837	1181846	4823532
Cement (portland grey)	tonne	780180	2366507	746028	2542808	461782	1833280
Cement (portland white)	tonne	7910	50230	9613	65832	15992	116986
Cement (clinkers)	tonne	184033	420351	145897	397100	556649	1788489
Cement (others)	tonne	123501	689298	109526	790097	147423	1084777
Cryolite (artificial)	tonne	8176	146530	9885	236351	12878	312027
Fire bricks/Refractory bricks	tonne	366310	10726152	662726	15082560	394980	15855045
Graphite (artificial)	tonne	15903	1548569	31415	2809833	27212	2844538
Graphite bricks & shapes	tonne	215	12535	389	187616	109	20974
Graphite crucibles	tonne	5743	142945	5348	238320	3554	172963
Hydrofluoric acid	tonne	1240	84867	1061	93803	1283	107424
Manganese oxide: Total	tonne	8963	623869	7279	607857	7792	738609
Manganese oxides (other than manganese dioxide)	tonne	1709	150331	941	116357	1022	145636
Manganese dioxide	tonne	7254	473538	6338	491500	6770	592973
Petroleum products: Total	'000t	16815	521060000	15848	680910000	15774	683630000
Light distillates	'000t	8278	293310000	8534	401570000	8176	423780000
Naphtha	'000t	2074	68220000	2091	98270000	1735	97910000
Other distillates	'000t	6204	225090000	6444	303300000	6441	325870000
Middle distillates	'000t	3454	121050000	1622	77500000	626	32190000
Heavy ends	'000t	5083	106700000	5691	201840000	6972	22766
Phosphoric acid	tonne	2008376	63786633	2324532	99320356	1831651	83632414
Phosphorus (elemental)	tonne	19949	2685267	22630	3509486	20295	3756903
Phosphatic fertilizers	tonne	82582	1553711	110644	2902686	50	4764
Potash fertilizer	tonne	4617512	77338258	2842342	66003275	2122718	57194141
Potassium nitrate	tonne	466	22620	219	14955	112	33606
Silicon carbide crucibles	tonne	1262	45109	2074	97566	476	29799
Soda ash	tonne	489955	4957343	445364	5282891	685672	9585162
Sodium nitrate	tonne	2483	52216	2102	51343	2084	55278
Sodium nitrite	tonne	12915	334565	14909	393687	22161	619328
Sulphur (sublimed, precipitated & colloidal): Total	tonne	5468	453101	2981	268017	4739	399916
Sulphur (colloidal)	tonne	32	2389	122	7019	1635	35208
Sulphur (precipitated)	tonne	4327	360751	2217	197091	2851	338207
Sulphur (sublimed)	tonne	1109	89961	642	63907	253	26501
Titanium oxide & dioxide: Total	tonne	18694	2148503	23110	3545107	18803	3300512
Titanium oxide	tonne	399	54739	475	54888	978	121732
Titanium dioxide	tonne	18295	2093764	22635	3490219	17825	3178780
Other refractory manufactures	tonne	243722	1704100	40172	2638943	24592	2280557
Non-ferrous ash & residues	tonne	39937	2617672	50929	3156820	49476	2753262
Slag dross	tonne	41040	269035	17251	81577	5403	28486

Source: DGCI&S, Kolkata.

** Quantity not given due to partial coverage, value figures however have full coverage.