

FOREIGN TRADE



Indian Minerals Yearbook 2012

(Part- I : General Reviews)

51st Edition

FOREIGN TRADE

(FINAL RELEASE)

GOVERNMENT OF INDIA
MINISTRY OF MINES
INDIAN BUREAU OF MINES

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EXPORTS

Ores & Minerals

During the year 2011-12, the value of exports (including re-exports) of ores and minerals at ₹175,310 crore accounted for 11.96% of the total value of all merchandise exported from India. The export value rose from ₹127,831 crore in 2009-10 to ₹174,370 crore in 2010-11 and further rose to ₹175,310 crore in 2011-12. The value of mineral exports showed an increase of 0.54% in 2011-12 as compared to that in the previous year.

Diamond (total) continued to be the largest constituent item with a share of 76.57% in the total value of mineral exports in 2011-12. Next in order of share were iron ore with the contribution of 12.65% followed by granite 3.64%. 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 2011-12 as compared to that in the previous year. The exports of petroleum (crude) and precious metals, ore & concentrates during 2011-12 increased manifold as compared to previous year while that of diatomite, zirconium ores & concentrates increased by more than four times, limestone & bauxite by more than three times, while export value of titanium ores & concentrates and garnet (abrasive) by more than doubled. The exports of other minerals which have shown significant growth are sand (excluding metal bearing) 81.40%, barytes 71.83%, chromite 70.88%, sulphur (excluding sublimed precipitated & colloidal) 70.67%, emerald (cut & uncut) and bentonite 50% each, building and monumental stones NES 44.60%, wollastonite 42.28%, kaolin 37.59%, mica and felspar (natural)

28.00% each, salt (other than common salt) and quartz & quartzite 25 percent each. The minerals which have shown negative growth in value of exports during 2011-12 are lead ores & conc. 64.27%, alumina 60.74%, abrasive (natural) 57.58%, coal (excluding lignite) 49.05% and manganese ore by 44.93 percent. Ores and minerals were exported to 188 countries in 2011-12 as against 188 countries in 2010-11 (including country item "unspecified" in both the years). Ninety percent of the total value of exports of ores and minerals was confined to only nine countries. Out of these, exports to only two countries accounted for more than doubled of the total value of exports during the year. During the year under review, Hong Kong occupied the top position in 2011-12 and in terms of value accounted for 24.86% of the total mineral exports. UAE was in the second place and contributed 17.45% followed by USA 14.83%, China 14.11%, Belgium 9.54%, Israel 4%, Japan 1.95%, Unspecified 1.89%, and Thailand 1.65 percent. The individual share of remaining countries was less than one percent.

Countrywise analysis of mineral exports revealed that, exports of minerals has increased significantly to Switzerland and Vietnam. The increase in value of mineral exports was also significant for Bangladesh 95.62%, Kuwait 75.16%, Singapore 74.18%, Belgium 73.87%, France 72.12%, South Africa 68.06%, Lebanon 67.01%, UK 62.87%, Thailand 60.74%, Israel 58.82%, Saudi Arabia 58.46%, Nepal and Pakistan 57% each, Russia and Japan 54.00% each and Poland 50.65 percent as compared to previous year. However, value of export of ores & minerals declined by 77.01% for Baharain 36.41% for UAE 30.10%, for Iran 13.48% for Spain and 12.76% for Turkey as as compared to that of previous year (Tables - 1 to 3).

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Table – 1: Exports* of Ores and Minerals, 2009-10 to 2011-12

(Value in ₹'000)

Mineral	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Minerals			1278311426		1743703991		1753095005
Abrasives (natural)	tonne	184911	1406415	160639	1185000	49356	502710
Alabaster	tonne	-	-	74	329	1	49
Alumina	tonne	702657	9576723	2660432	41867818	886412	16437230
Andalusite	tonne	-	-	40	96	-	-
Asbestos: Total	tonne	559	1601	231	1154	1296	2862
Asbestos (chrysotile)	tonne	63	805	49	588	20	195
Asbestos (others)	tonne	496	796	182	566	1276	2667
Ballclay	tonne	32132	104567	19611	63288	18087	62387
Barytes	tonne	999334	3349865	866236	3146360	1036798	5406455
Bauxite	tonne	475692	3349865	116066	295202	401027	922326
Bentonite	tonne	457079	732096	637692	1801785	1033552	2699338
Borax: Total	tonne	1654	1252043	1354	53056	1765	85280
Natural borate	tonne	942	41690	528	6313	682	7194
Sodium borate	tonne	584	9342	542	19558	570	30197
Other borates	tonne	128	11309	284	27185	513	47889
Building & monumental stones, NES	tonne	1053238	2955553	1270142	4364630	1630292	6311353
Calcite	tonne	674	3644	1373	6137	3240	14860
Chalk	tonne	1655	9527	688	2496	759	3432
Chromite: Total	tonne	689081	8012506	172864	2860566	225084	4888205
Chrome ore others	tonne	150466	2082995	14283	243861	47230	683389
Chrome ore cons.	tonne	508831	5737336	182870	1760961	107001	1725168
Chrome ore lumps	tonne	29784	192175	55711	855744	70853	2479648
Clay (Others)	tonne	93381	273221	52526	241610	16811	126294
Coal (excl. Lignite)	000 t	2471	5208101	4272	11519939	2025	5869603
Lignite	000 t	++	6397	++	9179	1	14583
Coke	tonne	127251	2057266	728365	11645428	611517	11487428
Coal gas	tonne	8621	412734	++	22	59	365
Cobalt (ores & concentrate)	tonne	1	6	51	3741	-	-
Copper (ores & concentrate)	tonne	40422	286841	19701	1390065	20	80
Corundum (natural)	tonne	6807	34137	412	2527	-	-
Diamond: Total	-	**	859420958	**	1343533791	**	1342392353
Diamond (mostly cut)	carat	66090838	851256380	78951465	1340640421	62654023	1338809004
Diamond (industrial)	carat	770352	1058591	734036	113825	251923	156935
Diamond (powder)	'000 carat	16961	7105987	28544	2779545	22334	3426414
Diatomite	tonne	1146	11025	4647	39672	26886	230620
Dolomite	tonne	18707	46616	26801	65184	40254	111825
Earth clay	tonne	3305	18392	2195	12667	4498	68972
Emerald (uncut & cut): Total	-	**	4826365	**	3634975	**	5447525
Emerald (uncut)	tonne	1	320832	4	52311	3	100273
Emerald (cut)	'000 carat	14213	4505533	14930	3582664	24898	5347252
Felspar (natural)	tonne	315549	1074155	351266	1187874	394277	1518048
Felspar (uncut & cut): Total	-	**	50612	**	12842	**	58669
Felspar (uncut)	tonne	++	115	++	301	1	7117
Felspar (cut)	'000 carat	358	50497	226	12541	1082	51552
Fireclay	tonne	9315	23727	8624	22563	9622	30881
Flint	tonne	940	2653	1688	6320	968	2962
Fluorite/Fluorspar	tonne	2024	18121	390	4923	484	10939
Garnet (Abrasive)	tonne	171420	1470702	228663	1726150	428716	3500974
Garnet (cut & uncut): Total	-	**	137014	**	18450	**	42540
Garnet (uncut)	tonne	++	1026	1	1193	1	8124
Garnet (cut)	'000 carat	103	135988	260	17257	761	34416
Granite: Total	tonne	3827668	49937324	45000560	55933193	4605078	63815357

(Contd.)

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Table - 1 (Contd.)

Mineral	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Granite (crude or roughly trimmed)	tonne	2598235	16165697	2996561	17502596	2992760	22882720
Granite (cut blocks/slabs)	tonne	295794	2341327	316207	2146831	365418	2672156
Granite (polished blocks/tiles)	tonne	207505	6719493	382320	10842371	251176	7021614
Granite (others)	tonne	726134	24710807	804972	25441395	995724	31238867
Graphite (natural)	tonne	1048	81374	1205	79686	1683	101327
Gypsum & plaster	tonne	100520	114300	100918	137642	51732	78485
Iron ore: Total	000 t	101531	283661742	46890	214156853	47153	221844034
Iron ore: Non-agglomerated	000 t	498	1276716	141	560989	77	363093
Iron ore fines	000 t	91045	255552349	43363	200653480	40026	192016008
Iron ore lumps	000 t	9701	26092192	3299	123661	6840	28122587
Iron ore pellets	000 t	287	739673	87	574835	210	1339356
Iron ore pyrites	000 t	++	812	++	788	++	2990
Kaolin	tonne	160935	490785	112016	423070	184734	582117
Kieselguhr	tonne	123	1017	52	593	12	149
Kyanite	tonne	130	2315	3	42	1	11
Lead ores & concentrate	tonne	36476	2434582	39195	3891804	10226	1390485
Limestone	tonne	2405783	1537749	1034830	683781	2691026	253785
Magnesite: Total	tonne	10595	141740	11052	203919	13369	175082
Magnesia (fused)	tonne	6	23	85	2205	284	7883
Magnesite (not calcined)	tonne	625	8425	1023	14224	2117	9856
Magnesite (calcined)	tonne	38	671	40	908	16	240
Magnesia: Dead-burnt	tonne	76	1390	3	88	74	31
Magnesium oxide	tonne	6139	78132	4682	64505	5796	
Magnesite (others)	tonne	3711	53099	5219	121989	5082	35169
Manganese ore: Total	tonne	289468	1167004	98979	803225	75183	442305
Manganese ore (46% or more Mn)	tonne	3371	59208	16222	289802	33051	129790
Manganese ore (30% or more but below 35% Mn)	tonne	104737	402400	14858	116554	8099	49763
Manganese ore (Ferruginous, 10% or more but below)	tonne	19700	54727	-	-	20	228
Manganese ore (others)	tonne	161660	650669	67899	396869	34013	262524
Marble: Total	tonne	275502	3045855	521723	3265467	325241	3861834
Marble (dressed)	tonne	211359	2003559	258436	2098145	241571	2426156
Marble (others)	tonne	64143	1042296	263287	1167322	83670	1435678
Mica: Total	tonne	94216	1620533	126554	2258655	131777	2887096
Mica (unmanufactured): Total	tonne	93341	1319956	125844	1892086	131108	2377259
Mica (blocks)	tonne	1400	71381	2762	114112	4168	118371
Mica (splittings)	tonne	2704	74207	1989	63477	2246	107093
Mica (powder)	tonne	62073	778727	86453	1263880	81151	1401193
Mica (condenser films)	tonne	-	-	8	515	40	738
Mica (waste & scrap)	tonne	27164	395641	34632	450102	43503	749864
Mica (worked): Total	tonne	875	300577	710	366569	669	509837
Mica (cond. films, plates, cuts, NES)	tonne	++	1307	3	2570	5	18066
Mica (washers & discs)	tonne	498	23229	56	61280	64	57821
Mica (sheets & strips)	tonne	8	4833	47	25731	93	89832
Micanite & other built-up mica	tonne	10	3894	8	4342	10	4087
Mica (bricks)	tonne	1	1289	189	3388	5	426
Mica worked (others)	tonne	358	266025	407	269258	492	339605
Molybdenum ores & concentrate	tonne	9056	33227	939	25412	4477	52488
Niobium or tantalum ores & concentrate	tonne	10	13304	25	42652	523	70506

(Contd.)

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Table - 1 (Concl'd.)

Mineral	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Natural gas	tonne	9293	379069	27244	1191530	22218	1384872
Nickel ores & concentrate	tonne	20	45	-	-	450	128258
Ochre: Total	tonne	8661	102014	9275	115522	7741	126359
Ochre (earth colours)	tonne	7556	75808	7526	76202	5997	63390
Ochre (persian red)	tonne	20	1295	14	1626	55	5750
Ochre (red oxide)	tonne	1081	24621	1605	33705	1393	49991
Ochre (yellow ochre)	tonne	4	290	130	3989	296	7228
Petroleum (crude)	000 t	34	888968	++	595	21	722969
Precious & semi-precious stones NES: Total		**	9658362	**	10052664	**	11636361
Precious & semi precious stones (uncut)	tonne	43397	488554	35812	1063145	429375	1247502
Precious & semi precious stones (cut)	carat	121801	9169808	188105	8989519	168804	10388859
Precious metals ores/ concentrate: Total	kg	146202	68351	66026	45968	1512154	5417948
Gold ores & concentrate	kg	7568	8121	-	-	82031	5285189
Precious metals ores & conc. (others)	kg	138634	60230	66026	45968	1430123	132759
Quartz & quartzite (natural)	tonne	256421	1092657	211253	1209795	214969	1513889
Quartz (natural)	tonne	202138	831203	173291	923995	179805	1200767
Quartzite (natural)	tonne	54283	261454	37962	285800	35164	313122
Rock phosphate (Total)	tonne	924	10138	712	5031	248	5810
Salts (other than common salt)	tonne	1545022	1955033	1854898	2075879	2712076	2598357
Sand, excl. metal bearing	tonne	26932	88278	18218	208067	21044	377436
Sandstone	tonne	632406	4387790	304138	3212985	370238	3865872
Silica sand	tonne	7478	30073	12451	162239	10020	8081
Sillimanite	tonne	6708	21409	2202	29024	11829	108615
Slate: Total	tonne	125463	1980721	117644	1530571	113257	1534802
Slate (worked)	tonne	38114	890963	19063	420289	20116	419795
Slate (others)	tonne	87349	1089758	98581	1110282	93141	1115007
Steatite/talc/soapstone: Total	tonne	87870	618521	115581	837966	100562	913949
Steatite blocks	tonne	4602	24355	3970	23890	5599	52364
Steatite lumps	tonne	7915	44587	9727	44820	3004	21198
Steatite powder & others	tonne	75353	549579	101884	769256	91959	840387
Sulphur (excl. sublimed, precipitated & colloidal)	tonne	124884	504615	167113	979567	163372	1671782
Tin ores & conc.	tonne	7	371	33	9219	2	454
Titanium ores & concentrates: Total	tonne	464947	2526109	1028108	5632999	912979	12442284
Titanium ores & concentrates: Ilmenite	tonne	463625	2506478	1019268	5451218	879522	11499101
Titanium ores & concentrates: Rutile	tonne	382	14399	4031	144364	6699	507305
Titanium ores & concentrates (other)	tonne	940	5232	4809	37417	26758	435878
Tungsten ores & concentrates	tonne	-	-	32	19244	321	63393
Vanadium ores & concentrates	tonne	124	18554	++	1	1250	25841
Vermiculite	tonne	1015	6398	1497	10882	1139	10019
Witherite	tonne	111	543	17	351	++	14
Wollastonite	tonne	12880	153755	17759	208907	23759	297241
Zinc ores & concentrates	tonne	191960	6167984	67501	2846743	5591	14156
Zirconium ores & concentrates	tonne	8015	112724	19535	408265	43532	1772097
Other minerals	tonne	372874	430820	127162	278774	130569	291719

Source: DGCI&S, Kolkata.

* : Including re-exports.

** : 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, 2009-10 to 2011-12
(By Principal Ores & Minerals)**

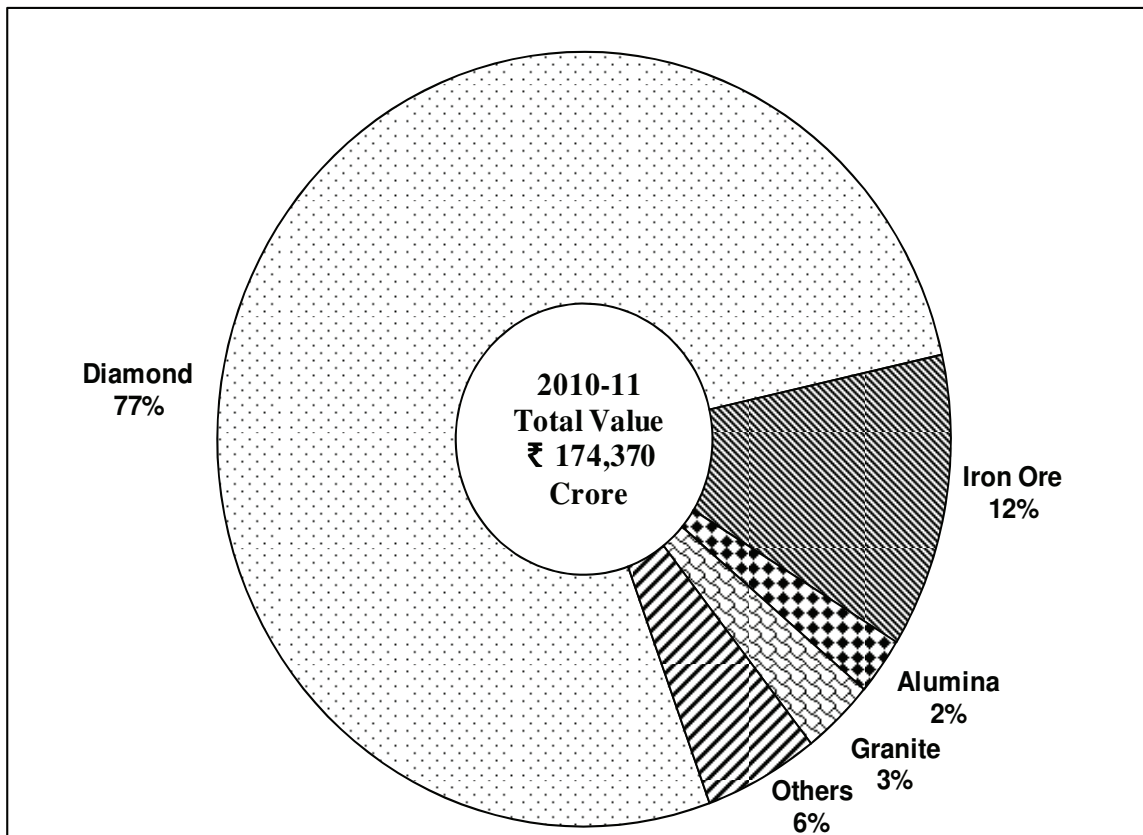
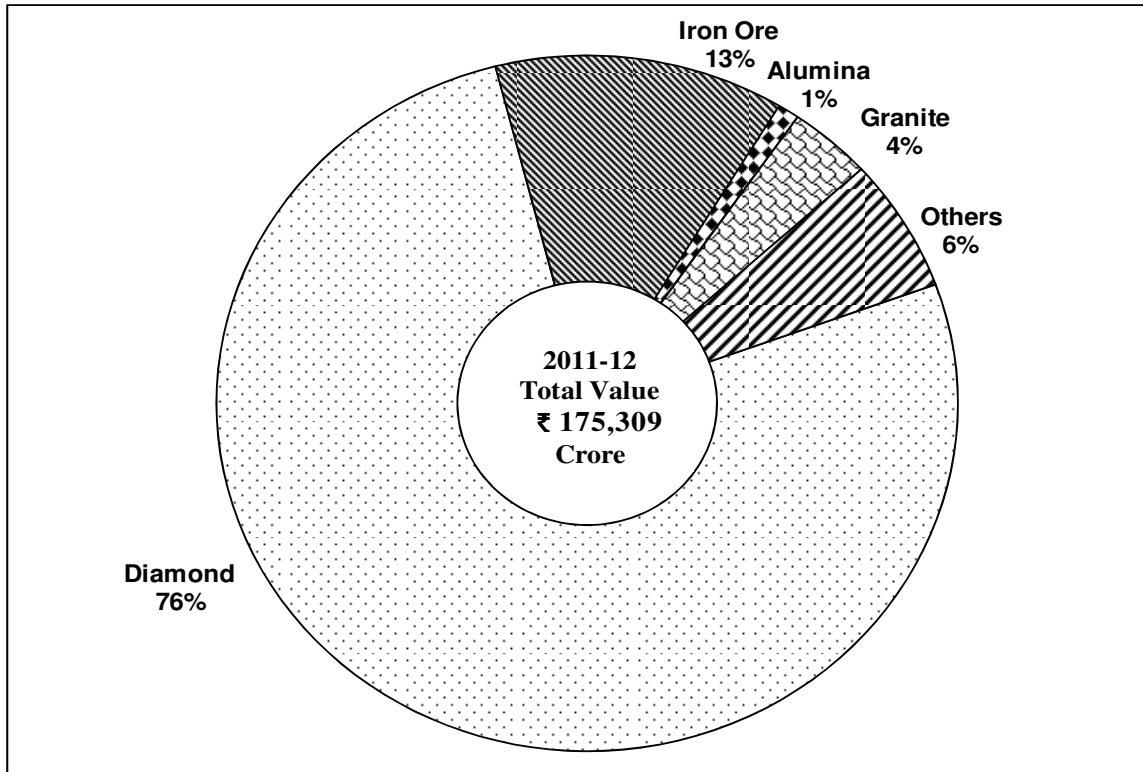
Ores & Mineral	2009-10		2010-11(R)		2011-12 (P)		% increase (+) or decrease (-) in 2011-12 over 2010-11
	Value in (₹*000)	% share in total value	Value in (₹*000)	% share in total value	Value in (₹*000)	% share in total value	
All Minerals	1278311426	100	1743703991	100	1753095005	100	0.54
Diamond	859420959	67.23	1343533791	77.05	1342392353	76.57	-0.08
Iron ore	283661743	22.19	214156852	12.28	221844036	12.65	3.59
Granite	49937324	3.91	55933193	3.21	63815358	3.64	14.09
Alumina	9576723	0.75	41867818	2.40	16437230	0.94	-60.74
Titanium ores & conc.	2526109	0.20	5632999	0.32	12442285	0.71	120.88
Precious & semi-precious stones (cut & uncut): Total	9658362	0.76	10052664	0.58	11636361	0.66	15.75
Coke	2057266	0.16	11645428	0.67	11487428	0.66	-1.36
Building and monumental stones, NES	2955553	0.23	4364630	0.25	6311353	0.36	44.60
Coal (excl. lignite)	5208102	0.41	11519938	0.66	5869604	0.33	-49.05
Emerald (cut & uncut)	4826366	0.38	3634976	0.21	5447526	0.31	49.86
Precious Metal Ores & Concentrates	68351	0.01	45968	0.00	5417948	0.31	11686.35
Barytes	3349865	0.26	3146360	0.18	5406455	0.31	71.83
Chromite	8012505	0.63	2860566	0.16	4888205	0.28	70.88
Sandstone	4387790	0.34	3212985	0.18	3865872	0.22	20.32
Marble	3045854	0.24	3265467	0.19	3861834	0.22	18.26
Garnet (abrasive)	1470702	0.12	1726150	0.10	3500974	0.20	102.82
Mica	1620533	0.13	2258653	0.13	2887097	0.16	27.82
Bentonite	1252043	0.10	1801785	0.10	2699338	0.15	49.81
Salt (Other than common salt)	1955033	0.15	2075879	0.12	2599358	0.15	25.17
Limestone	1537749	0.12	683781	0.04	2537858	0.14	271.15
Zirconium ores & conc.	112724	0.01	408265	0.02	1772097	0.10	334.06
Sulphur (excl. sublimed, precipitated & colloidal)	504615	0.04	979567	0.06	1671782	0.10	70.67
Slate	1980721	0.15	1530571	0.09	1534802	0.09	0.28
Felspar (natural)	1074155	0.08	1187874	0.07	1518048	0.09	27.80
Quartz and quartzite	1092657	0.09	1209795	0.07	1513888	0.09	25.14
Lead ores & conc.	2434582	0.19	3891804	0.22	1390485	0.08	-64.27
Natural gas	379069	0.03	1191530	0.07	1384872	0.08	16.23
Bauxite	732095	0.06	295203	0.02	922326	0.05	212.44
Steatite	618521	0.05	837965	0.05	913949	0.05	9.07
Petroleum (crude)	888968	0.07	595	0.00	722969	0.04	121407.39
Kaolin	490785	0.04	423070	0.02	582117	0.03	37.59
Abrasive (natural)	1406415	0.11	1185000	0.07	502710	0.03	-57.58
Manganese ore	1167003	0.09	803225	0.05	422306	0.03	-44.93
Sand (excl. metal bearing)	88278	0.01	208067	0.01	377436	0.02	81.40
Wollastonite	153755	0.01	208907	0.01	297241	0.02	42.28
Diatomite	11025	0.00	39672	0.00	230620	0.01	481.32
Other minerals	8647126	0.68	5882998	0.34	1969884	0.11	-66.52

Source: DGCI&S, Kolkata.

* : Including re-exports.

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Value of Mineral Exports, 2010-11 and 2011-12



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**Table – 3 : Value of Exports* of Ores & Minerals, 2009-10 to 2011-12
(By Principal Countries)**

Ores & Mineral	2009-10		2010-11(R)		2011-12 (P)		% increase (+) or decrease (-) in 2011-12 over 2010-11
	Value in (₹*000)	% share in total value	Value in (₹*000)	% share in total value	Value in (₹*000)	% share in total value	
All Countries	1278311426	100	1743703991	100	1753095005	100	0.54
Hong Kong	278749671	21.81	338715753	19.43	435840317	24.86	28.67
UAE	258767480	20.24	481130237	27.59	305939303	17.45	-36.41
USA	164467825	12.87	182469056	10.46	260065148	14.83	42.53
China	294681493	23.05	251950209	14.45	247446072	14.11	-1.79
Belgium	79744197	6.24	96165710	5.52	167207931	9.54	73.87
Israel	35657865	2.79	44183752	2.53	70174741	4.00	58.82
Japan	29115537	2.28	22196606	1.27	34125886	1.95	53.74
Thailand	14858556	1.16	18001896	1.03	28936100	1.65	60.74
UK	10734751	0.84	9627945	0.55	15680719	0.89	62.87
Switzerland	5287763	0.41	6412107	0.37	15294991	0.87	138.53
Singapore	20107048	1.57	7680762	0.44	13378421	0.76	74.18
Iran	1869474	0.15	14902666	0.85	10417434	0.59	-30.10
Australia	8215057	0.64	6168186	0.35	8446294	0.48	36.93
Korea, Rep. of	5194371	0.41	6707568	0.38	8338851	0.48	24.32
Brazil	1129973	0.09	8286155	0.48	8113517	0.46	-2.08
Germany	5816276	0.45	5184487	0.30	7588066	0.43	46.36
Bangladesh	6246446	0.49	3754023	0.22	7343532	0.42	95.62
Italy	6347180	0.50	5446370	0.31	6994001	0.40	28.42
Netherlands	2644795	0.21	4005064	0.23	5596927	0.32	39.75
Nepal	1839175	0.14	2954396	0.17	4652749	0.27	57.49
South Africa	1796783	0.14	2600715	0.15	4370842	0.25	68.06
Malaysia	4105698	0.32	4157867	0.24	4204795	0.24	1.13
Canada	2906536	0.23	3003795	0.17	4197636	0.24	39.74
France	2006880	0.16	2260677	0.13	3891033	0.22	72.12
Turkey	2242749	0.18	4277939	0.25	3731899	0.21	-12.76
Bahrain	871199	0.07	13490911	0.77	3101128	0.18	-77.01
Saudi Arabia	2446493	0.19	1949719	0.11	3089548	0.18	58.46
Chinese Taipei/Taiwan	1900381	0.15	2251007	0.13	2837279	0.16	26.04
Poland	1217006	0.10	1614226	0.09	2431873	0.14	50.65
Indonesia	1071266	0.08	1295936	0.07	1866289	0.11	44.01
Kuwait	1020796	0.08	872779	0.05	1528788	0.09	75.16
Vietnam	741488	0.06	701616	0.04	1516695	0.09	116.17
Egypt	1548984	0.12	1456025	0.08	1411539	0.08	-3.06
Lebanon	885301	0.07	764537	0.04	1276891	0.07	67.01
Russia	572582	0.04	731485	0.04	1125076	0.06	53.81
Pakistan	528743	0.04	695809	0.04	1095007	0.06	57.37
Spain	1278786	0.10	1166987	0.07	1009627	0.06	-13.48
Unspecified	4313794	0.34	165781536	9.51	33133890	1.89	-80.01
Other countries	15381028	1.20	18687477	1.07	15694170	0.90	-16.02

Source: DGCI&S, Kolkata.

** Including re-exports.*

The country-wise details relating to some of the commodities are not available from the source agency. The figures in respect of such commodities have been grouped under country item "unspecified".

FOREIGN TRADE

Metals & Alloys

The value of exports of metals & alloys at ₹102,500 crore in 2011-12 registered an increase of 9% as compared to that of ₹94,052 crore in the previous year. The contribution of metals & alloys in the total value of India's exports was only 7% during the year under review.

Iron & steel with a share of 59.20% continued to hold the top position in the total value of metals exported from India in 2011-12. Copper and alloys (including brass and bronze) came in second place and accounted for 13.35 percent. Ferro-alloys and aluminium & alloys including scrap occupied the third and fourth place, respectively, with a contribution of 8.19% and 7.03%, respectively. The contribution of zinc & alloys including scrap was 3.54%, that of pig and cast iron (including spiegeleisen) was 2.67%, and precious metals/metal clad with precious metal was 1.97% and gold (non-monetary & monetary) was 1.93 percent. The individual share of other remaining metals and alloys was less than one percent.

As compared to the previous year, the value of exports for different important metals had shown a mixed trend in 2011-12 over previous year. The export value of zirconium & scrap, magnesium & scrap and gold (non-monetary & monetary) has increased manifolds and that of nickel and alloys incl. scrap by more than two times and tungsten and alloys incl. scrap by more than double. The export value of other metals & alloys that have shown significant growth are antimony alloys and scrap 88.04%, pig and cast iron (including spiegeleisen) 77.76%, lead and alloys incl. scrap 77.07%, selenium 64.40%, tantalum & scrap 54.33%, titanium & alloys (incl. waste & scrap) 44.87% and aluminium and alloys incl. scrap 27.41%, silver 21.94% and iron & steel 19.94 percent. However, the export values of metals & alloys that have recorded negative growth during 2011-12 as compared to previous year are manganese & alloys (incl. waste

& scrap) 56.30%, copper & alloys (incl. brass & bronze) 31.95%, mercury 17.18%, ferro alloys 11.09%, platinum alloys & related metals 8.09% and cobalt & alloys (incl. waste and scrap) 5.94 percent.

India exported metals & alloys to 205 countries (including country item unspecified) in 2011-12 as against 202 countries in the preceding year. Bulk of the metals and alloys were having share more than 1% to total value, exported to 27 countries. These countries together accounted for 79.46% of the total value of exports during 2011-12. China with a share of 13.31% occupy the top position during 2011-12 followed by USA 10.77%, UAE 7.54 %, Belgium 5.01%, Korea Rep. of 4.62%, Germany 3.62%, Italy 3.17%, Saudi Arabia 2.68%, Malaysia 2.43%, UK 2.24% and Indonesia 2.13 percent. The individual shares of Nepal, Netherlands, Spain, Chinese Taipei/Taiwan, Japan, Nigeria, Iran, Canada, Singapore, South Africa, Thailand, Sri Lanka, Kenya, Myanmar, Turkey and Australia more than 1 percent and less than one percent in respect of the remaining countries.

The increase in value of exports of metals & alloys for Myanmar and Spain was manifold and Vietnam, Australia and Canada were more than double. The other countries that have recorded significant increase in value of exports of metals & alloys are South Africa 80.48%, Tanzania Rep 76.83%, Indonesia 76.75%, Nepal 71.65%, France 49.05%, Nigeria 46%, Kenya 41.97%, Germany 40.15%, Netherlands 39.77%, USA 34.93%, Ghana 34.58%, Sweden 27.72% and Chinese Taipei/Taiwan 23.11 percent. The value of exports of metals & alloys, however, showed a decline for Kuwait 67.86%, Iran 50.18%, Saudi Arabia 44.50%, Thailand 27.26%, Japan 23.95%, Iraq 23.77%, China 15.51%, Malaysia 15.20% and Brazil 9.18 percent during the year under review (Tables - 4 to 6).

Exports of selected mineral-based products during 2009-10 to 2011-12 are furnished in Table - 7.

FOREIGN TRADE

Table – 4 : Exports* of Metals and Alloys, 2009-10 to 2011-12

		(Value in ₹'000)					
Metals/Alloys	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Metals and Alloys			579753977		940524476		1024998008
Aluminium alloys & scrap	tonne	440762	49177673	428253	56530539	506310	72024819
Antimony alloys & scrap	tonne	32	13998	954	464038	1410	872560
Bismuth & scrap	tonne	20	12650	++	351	1	979
Boron	tonne	356	84795	48	12818	-	-
Cadmium including waste & scrap	tonne	53	11864	20	11027	9	3304
Cement copper (precipitated)	tonne	-	-	2	175	1	74
Chromium & alloys (scrap)	tonne	7	4770	18	12041	10	9236
Cobalt alloys & scrap: Total	tonne	187	340757	281	450877	298	424072
Cobalt & alloys	tonne	168	338720	275	448270	285	414093
Cobalt (scrap)	tonne	19	2037	6	2607	13	9979
Copper & alloys (incl. brass & bronze): Total	tonne	303749	85146161	564164	201100005	334913	136844498
Copper and alloys	tonne	274690	77997519	529962	191568150	287488	121138330
Copper (scrap)	tonne	2250	530500	2709	903167	7531	2749738
Copper alloys (scrap)	tonne	19	2759	19	4971	53	60422
Brass & bronze	tonne	26565	6571018	31266	8589523	39216	12766019
Brass & bronze (scrap)	tonne	225	44365	208	34194	625	129989
Ferro alloys: Total	tonne	862769	41394476	1554988	94468214	1532694	83992730
Ferro-boron	tonne	3	629	1	157	2	351
Ferro-chrome	tonne	471953	21848549	774429	50865971	567660	32760788
Ferro-columbium	tonne	1	82	48	7028	2	3711
Charge-chrome	tonne	++	3	6	1074	39	4709
Ferro-manganese	tonne	66521	3388350	106272	6232130	159122	8379784
Ferro-molybdenum	tonne	1766	237214	1646	788314	292	223797
Ferro-nickel	tonne	++	9	-	-	++	413
Ferro-niobium	tonne	118	23717	1754	28857	14	6445
Ferro-phosphorus	tonne	11	740	216	6184	240	6401
Ferro-silicon	tonne	20106	1156561	41963	2965091	46422	3265270
Ferro-tantalum	tonne	-	-	-	-	10	860
Ferro-titanium	tonne	6	881	46	5065	1041	56766
Ferro-tungsten	tonne	1	232	8	1475	16	5239
Ferro-vanadium	tonne	29	6729	186	44847	209	92494
Ferro-zirconium	tonne	1	262	26	1706	115	10269
Ferro-silico-chrome	tonne	-	-	50476	878413	15	903
Ferro-silico-magnesium	tonne	3597	242902	3955	308922	7047	688615
Ferro-silico-manganese	tonne	298301	14469837	572551	32265076	732424	37641216
Ferro-alloys (others)	tonne	355	17779	1305	67904	18024	844699
Gold, non-monetary & monetary: Total	kg	22990	9827212	34595	4275544	169126	19799367
Gold- Monetary	kg	1	105	-	-	6	48584
Gold, non-monetary: Total	kg	22989	9827107	34595	4275544	169120	19750783
Powder	kg	25	67	16	161	-	-
Other unwrought forms	kg	22667	9396337	34492	4155091	169092	19721769
Other Semi-manufactured form	kg	297	430703	87	120292	28	29014
Gold - clad metals / base metals, NES	tonne	1	1473	1	862	++	1423
Iron & Steel: Total	tonne	6115076	342946993	8353454	505936539	9257059	606834662
Iron & Steel (finished steel incl. C.R. sheets)	tonne	3143360	157564745	4276634	247627934	4092036	239679414
Iron & Steel (semi-finished steel incl. ingots)	tonne	1710812	69818464	2462885	105597743	3077643	142508319
Iron & Steel (steel wire)	tonne	72363	7800739	101051	13540016	180872	19154467

(Contd.)

FOREIGN TRADE

Table - 4 (Concl'd.)

Metals/Alloys	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Iron & Steel (sponge iron)	tonne	52284	1191090	76290	1428667	84437	2019420
Iron & Steel (scrap)	tonne	23849	341729	8301	538084	7301	601715
Iron & Steel: alloy steel (granules))	tonne	155	19314	732	105131	724	49473
Iron & Steel: alloy steel (powder)	tonne	571	26620	89	7605	134	15496
Iron & Steel (other finished steel, NES)	tonne	1111682	106184292	1427472	137091359	1813912	202806358
Lead and alloys & scrap: Total	tonne	53779	5469186	48646	5153688	69629	9074327
Lead & alloys	tonne	53658	5458634	48536	5144743	69628	9074324
Lead (scrap)	tonne	121	10552	110	8945	1	3
Magnesium & scrap	tonne	25	9405	87	9232	303	43335
Manganese & alloys (incl. waste & scrap)	tonne	68	64327	143	118051	57	51592
Manganese & alloys (Unwrought & Wrought)	tonne	23	19109	75	62960	29	42886
Manganese & alloys, NES	tonne	44	45030	68	55091	20	8239
Manganese waste & scrap	tonne	1	188	-	-	8	467
Mercury	tonne	15	10817	95	146840	69	121620
Molybdenum & scrap	tonne	7	39440	19	61006	27	67508
Nickel and alloys (incl. scrap): Total	tonne	1524	1103460	1429	1500386	5340	5886670
Nickel & alloys	tonne	1375	1041448	1260	1424425	5218	5842047
Nickel (scrap)	tonne	149	62012	169	75961	122	44623
Other rare metals, NES	tonne	19	23233	12	6915	10	25736
Pig & cast iron incl. spiegeleisen	tonne	620990	10870770	807783	15412694	821428	27396836
Platinum, alloys and related metals: Total	kg	10587	643700	3367	231945	382	213170
Platinum (powder, unwrought & others)	kg	10586	643678	191	183203	352	188899
Other metals of platinum group	kg	1	22	3176	48742	30	24271
Platinum-clad base/precious metals	kg	-	-	640	24653	1	362
Precious metals/metals clad with precious metals	tonne	388	7270953	870	18962966	719	20176997
Selenium	tonne	400	417874	193	722450	184	1187692
Silver	tonne	62	4263083	50	1063414	41	1296694
Silver-clad base metals	kg	26	34	13953	224466	12055	33044
Silicon	tonne	536	28455	201	24020	247	23896
Tantalum & scrap: Total	tonne	7	7009	5	23218	2	35834
Tantalum alloys, unwrought	tonne	++	2312	3	9280	++	11957
Tantalum & scrap	tonne	7	4697	2	13938	2	23877
Tellurium	tonne	44	22834	58	13331	13	836
Tin and alloys (incl. scrap)	tonne	2315	598850	1900	403662	1673	413908
Tin & alloys	tonne	764	450443	274	195481	344	277913
Tin & alloys: Worked	tonne	1435	140417	1535	189388	1317	130331
Tin (scrap)	tonne	116	7990	91	18793	12	5664
Titanium & alloys (incl. waste & scrap)	tonne	90	382639	211	233571	399	338371
Tungsten alloys & scrap	kg	79513	412084	430970	669662	638430	1423388
Zinc and alloys (incl. scrap)	tonne	175767	19140301	264251	32248477	295071	36266217
Zinc & alloys	tonne	175746	19134250	264219	33244982	295033	36262165
Zinc (scrap)	tonne	21	6051	32	3495	38	4052
Zirconium & scrap	tonne	76	12701	26	6799	645	112251

Source: DGCI&S, Kolkata.

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**Table – 5 : Value of Exports* of Metals & Alloys, 2009-10 to 2011-12
(By Principal Metals & Alloys)**

Metal/Alloys	2009-10		2010-11(R)		2011-12 (P)		% increase (+) or decrease (-) in 2011-12 over 2010-11
	Value in (₹'000)	% share in total value	Value in (₹'000)	% share in total value	Value in (₹'000)	% share in total value	
All Metals & Alloys	579753977	100	940524476	100	1024998008	100	8.98
Iron & steel	342946994	59.15	505936539	53.79	606834662	59.20	19.94
Copper & alloys (incl. brass & bronze)	85146160	14.69	201100005	21.38	136844498	13.35	-31.95
Ferro- alloys	41394474	7.14	94468214	10.04	83992729	8.19	-11.09
Aluminium and alloys incl. scrap	49177674	8.48	56530540	6.01	72024819	7.03	27.41
Zinc and alloys incl. scrap	19140302	3.30	32248477	3.43	36266216	3.54	12.46
Pig & cast iron (incl. spiegeleisen)	10870770	1.88	15412694	1.64	27396836	2.67	77.76
Precious metals / metals clad with precious metals	7270953	1.25	18962966	2.02	20176997	1.97	6.40
Gold (non-monetary & monetary): Total	9827212	1.70	4275543	0.45	19799367	1.93	363.08
Lead and alloys incl. scrap	5469186	0.94	5153688	0.55	9074328	0.89	76.07
Nickel and alloys incl. scrap	1103460	0.19	1500386	0.16	5886671	0.57	292.34
Tungsten and alloys incl. scrap	412085	0.07	669663	0.07	1423388	0.14	112.55
Silver	4263083	0.74	1063415	0.11	1296694	0.13	21.94
Selenium	417874	0.07	722450	0.08	1187692	0.12	64.40
Antimony alloys and scrap	13999	-	464039	0.05	872560	0.09	88.04
Cobalt & alloys (incl. waste and scrap)	340757	0.06	450877	0.05	424073	0.04	-5.94
Titanium & alloys (incl. waste & scrap)	382639	0.07	233570	0.02	338371	0.03	44.87
Tin and alloys incl. scrap	598849	0.10	403662	0.04	413906	0.04	2.54
Platinum alloys & related metals	643699	0.11	231944	0.02	213171	0.02	-8.09
Manganese & alloys (incl. waste & scrap)	64327	0.01	118050	0.01	51593	0.01	-56.30
Mercury	10817	++	146840	0.02	121620	0.01	-17.18
Zirconium & Scrap	12701	++	6798	++	112251	0.01	1551.24
Molybdenum & Scrap	39440	0.01	61006	0.01	67508	0.01	10.66
Manganese & Alloys (Incl. Waste & Scrap)	64327	0.01	118050	0.01	51593	0.01	-56.30
Magnesium & Scrap	9404	++	9232	++	43335	++	369.40
Tantalum & Scrap	7009	++	23219	++	35834	++	54.33
Other metals and alloys	190109	0.03	330659	0.04	98889	0.01	-70.09

Source: DGCI&S, Kolkata.

* Including re-exports.

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**Table – 6 : Value of Exports* of Metals & Alloys, 2009-10 to 2011-12
(By Principal Countries)**

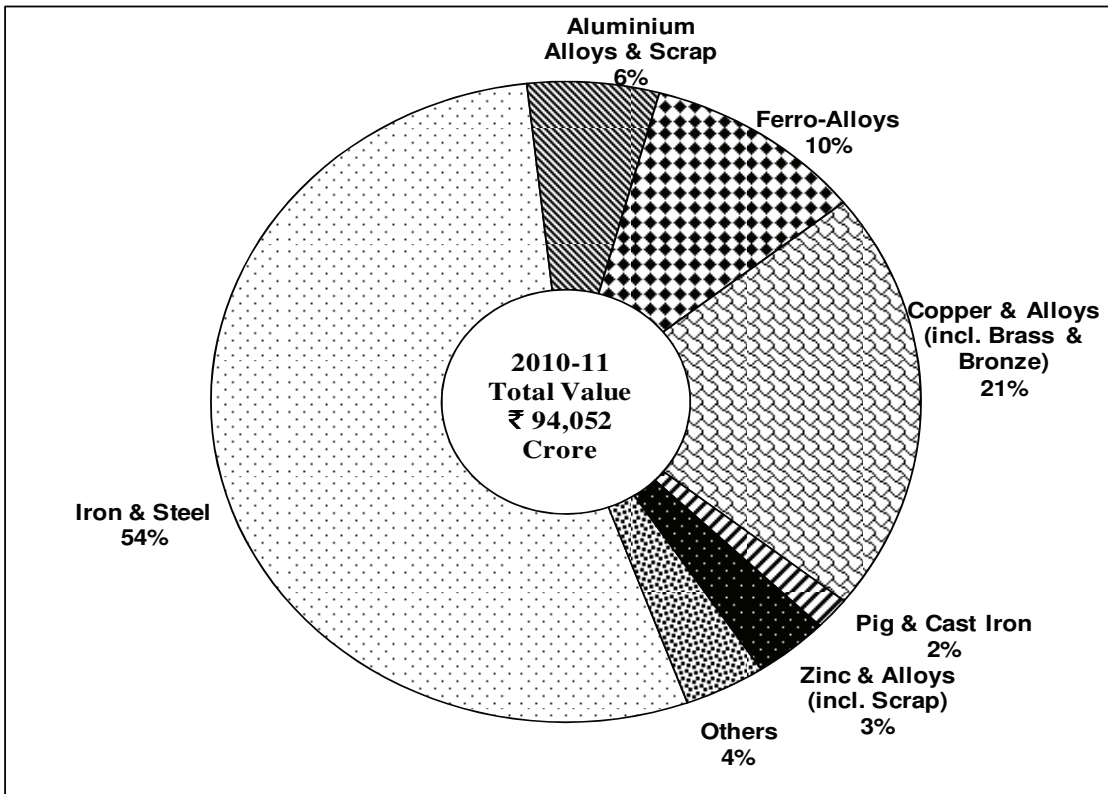
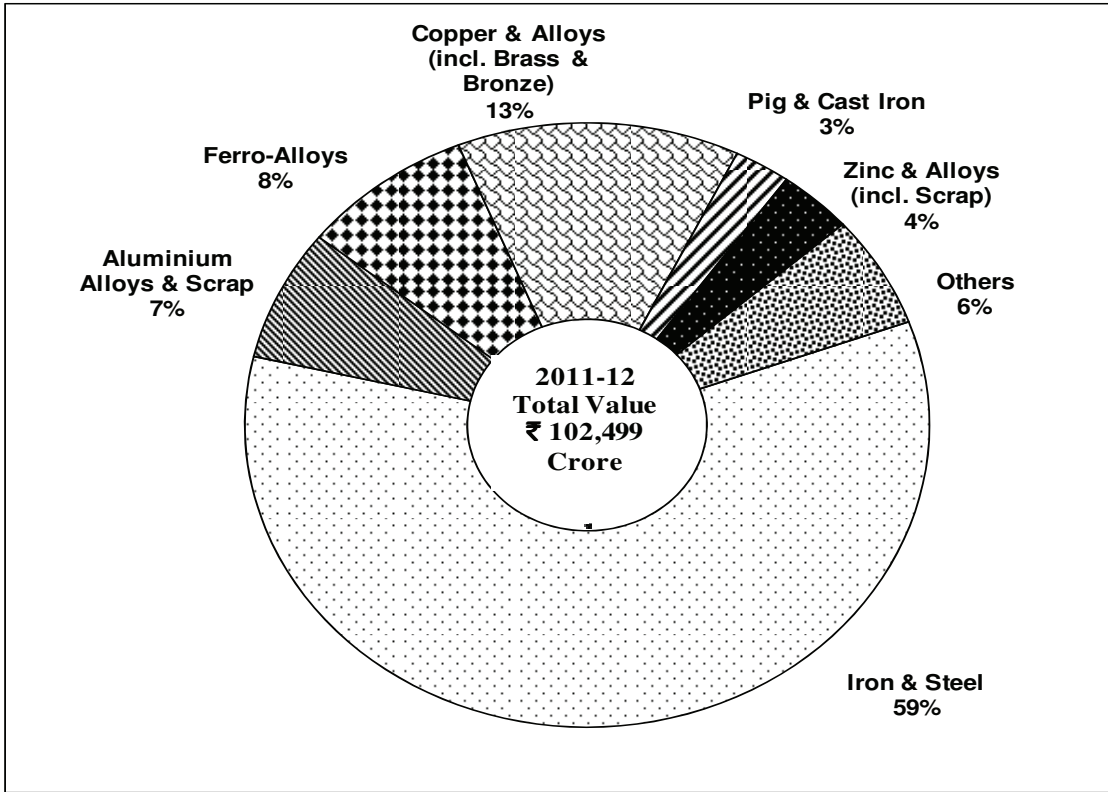
Country	2009-10		2010-11(R)		2011-12 (P)		% increase (+) or decrease (-) in 2011-12 over 2010-11
	Value in (₹'000)	% share in total value	Value in (₹'000)	% share in total value	Value in (₹'000)	% share in total value	
All Countries	579753977	100.00	940524476	100.00	1024998008	100.00	8.98
China	49172236	8.48	161525613	17.17	136469149	13.31	-15.51
USA	51085293	8.81	81803157	8.70	110379464	10.77	34.93
UAE	57048667	9.84	70807850	7.53	77318574	7.54	9.19
Belgium	8837423	1.52	47733804	5.08	51355845	5.01	7.59
Korea, Rep. of	26967586	4.65	39773690	4.23	47389187	4.62	19.15
Germany	18073332	3.12	26505785	2.82	37147576	3.62	40.15
Italy	17517331	3.02	27270669	2.90	32536383	3.17	19.31
Saudi Arabia	20117013	3.47	49528333	5.27	27486431	2.68	-44.50
Malaysia	18800036	3.24	29322211	3.12	24865795	2.43	-15.20
UK	10805220	1.86	21654709	2.30	22946231	2.24	5.96
Indonesia	13541940	2.34	12359539	1.31	21844883	2.13	76.75
Nepal	11289538	1.95	10908278	1.16	18724547	1.83	71.65
Netherlands	6337702	1.09	12719021	1.35	17777884	1.73	39.77
Spain	4709051	0.81	6412475	0.68	16487314	1.61	157.11
Chinese Taipei/Taiwan	8800781	1.52	13052382	1.39	16069020	1.57	23.11
Japan	9901708	1.71	20344050	2.16	15470640	1.51	-23.95
Nigeria	8575524	1.48	10277794	1.09	15005742	1.46	46.00
Iran	16244507	2.80	28318167	3.01	14109341	1.38	-50.18
Canada	4121690	0.71	6472718	0.69	13541729	1.32	109.21
Singapore	14449256	2.49	11713204	1.25	13299155	1.30	13.54
South Africa	4616831	0.80	7129404	0.76	12867024	1.26	80.48
Thailand	11690891	2.02	17525894	1.86	12749104	1.24	-27.26
Sri Lanka	8292006	1.43	12971467	1.38	12549790	1.22	-3.25
Kenya	7290600	1.26	8545314	0.91	12132155	1.18	41.97
Mayanmar	2143060	0.37	1457523	0.15	12041040	1.17	726.13
Turkey	4846581	0.84	9514445	1.01	11138530	1.09	17.07
Australia	4378081	0.76	5098966	0.54	10723479	1.05	110.31
Iraq	4823940	0.83	12500436	1.33	9529309	0.93	-23.77
France	4466147	0.77	5550876	0.59	8273404	0.81	49.05
Kuwait	4102077	0.71	25131269	2.67	8078224	0.79	-67.86
Brazil	4995878	0.86	8289430	0.88	7528712	0.73	-9.18
Vietnam	7123306	1.23	3134551	0.33	7103533	0.69	126.62
Oman	9272876	1.60	6879395	0.73	6764738	0.66	-1.67
Bangladesh	10001401	1.73	6061579	0.64	6298230	0.61	3.90
Ghana	3516971	0.61	4672993	0.50	6288737	0.61	34.58
Tanzania Rep.	2448201	0.42	3070302	0.33	5429210	0.53	76.83
Sweden	1938638	0.33	4221650	0.45	5391802	0.53	27.72
Other countries	133434056	16.23	114360872	19.73	119350775	9.25	4.36

Source: DGCI&S, Kolkata.

* Including re-exports.

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Value of Exports of Metals & Alloys, 2010-11 and 2011-12



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Table – 7 : Export of Selected Mineral-based Products, 2009-10 to 2011-12

(Value in ₹'000)

Mineral-based-products	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Items			1468670418		2002859764		2894361548
Aluminium fluoride	tonne	8128	477074	7068	336250	3361	218050
Asbestos cement products	tonne	39389	547369	44449	655180	41304	883930
Bleaching powder	tonne	16506	736984	20686	814663	10515	541756
Boric acid	tonne	804	18451	692	36777	1751	83449
Briquettes of coke, semi-coke of coal	tonne	28946	14282	79636	1108324	6630	15537
Calcium carbide	tonne	971	34557	961	34768	1266	59224
Caustic soda	tonne	76995	1434172	143788	2569875	82204	1897686
Cement: Total	tonne	2689485	6657266	3494859	9184336	3398546	10421215
Cement (portland grey)	tonne	1478108	3823614	2153707	5917218	1957071	6016126
Cement (portland white)	tonne	83241	398033	148190	632491	81467	476371
Cement (Clinkers)	tonne	1012735	2051773	1088821	2294170	1267166	2738494
Cement (Others)	tonne	115401	383846	104141	340457	92842	1190224
Cryolite (artificial)	tonne	101	2597	31	619	11	781
Graphite (artificial)	tonne	7286	373050	10170	586987	26154	2601571
Graphite bricks & shapes	tonne	288	2470	195	4119	149	2689
Graphite crucibles	tonne	272	10831	1532	36094	699	8450
Hydrofluoric acid	tonne	770	50306	1501	73834	1660	106472
Manganese oxide: Total	tonne	1313	31394	2885	95474	8972	348457
Manganese oxides (other than manganese dioxide)	tonne	855	21181	2119	79601	7215	303280
Manganese dioxide	tonne	458	10213	766	15873	1757	45177
Non-ferrous ash & residues	tonne	313132	4473825	271043	268982	245792	3913265
Petroleum Products: Total	000'tonne	50974	1440370000	59077	1968610000	60837	2846440000
Light distillates	000'tonne	19804	615090000	24387	873110000	24837	1205490000
Naphtha	000'tonne	9911	298480000	10655	371380000	10139	456200000
Other light distillates	000'tonne	9893	316610000	13732	501730000	14698	749290000
Middle distillates	000'tonne	23054	643180000	24944	858410000	25086	1269510000
Heavy ends	000'tonne	8116	18210000	9746	237090000	10914	371440000
Other refractory manufactures	tonne	115236	1348441	90556	1956123	406151	3344587
Phosphoric acid	tonne	143195	1767666	6508	281168	18674	416685
Phosphorus (elemental)	tonne	407	80789	337	80004	429	116081
Phosphatic fertilizers	tonne	1458	332253	1205	30469	827	10271
Potash fertilizer	tonne	29606	830878	30180	599621	32497	707275
Potassium nitrate	tonne	2543	136932	1597	103578	1320	88592
Refractory bricks/Fire bricks	tonne	358699	2783213	454721	5211193	403835	5715939
Silicon carbide crucibles	tonne	6903	377106	18649	445940	21897	534043
Slag Dross	tonne	669607	1752831	1030569	4613374	1230450	7550373
Soda ash	tonne	257221	2093000	199764	1828056	257621	3158595
Sodium nitrate	tonne	175	4934	100	3094	102	4800
Sodium nitrite	tonne	3267	105253	4519	129549	5018	176330
Sulphur (Sublimed, Precipitated & Colloidal): Total	tonne	5608	492006	22332	902212	42673	1857142
Sulphur (colloidal)	tonne	35	806	13621	81076	27506	281813
Sulphur (Precipitated)	tonne	67	965	46	631	205	7002
Sulphur (Sublimed)	tonne	5506	490235	8665	820505	14962	1568327
Titanium dioxide & oxide: Total	tonne	28142	1330398	50116	2259041	50194	3138303
Titanium dioxide	tonne	5941	579449	7490	879702	5011	781078
Titanium oxides (other than above)	tonne	22201	750949	42626	1379339	45183	2357225

Source: DGCI&S, Kolkata.

IMPORTS

Ores and Minerals

The value of imports of ores & minerals in 2011-12 accounted for 40.27% of the total value of all merchandise imported into India. During 2011-12, the total value of imports of ores and minerals at ₹944,430 crore registered a rise of 41% as compared to ₹669,010 crore during 2010-11.

Petroleum (crude) continued to be the largest constituent item with a share of 68.16% in the total value of mineral imports in 2011-12. Next in order of importance was diamond (total) with a share of 14.01% followed by coal (excluding lignite) with the contribution of 8.35%. Natural gas 3.48% copper ores & concentrates 2.80%. The combined share of these five minerals was 96.79% in 2011-12 as against 97.25% in the previous year.

The value of imports of ores & minerals for barytes, nickel ores & conc. and lead ores & conc. was manifold during 2011-12 as compared to previous year and that of calcite, rock phosphate and antimony ores & conc. increased by more than three times and natural gas, chromite, emerald (cut & uncut), sulphur (exc. sublimed precipitated & colloidal), graphite (natural) and titanium ores & conc. increased by more than double. The other minerals which have registered increase in value of imports are fluorspar 98.79%, alumina 90.85%, coal (excluding lignite) 89.72%, gypsum 79.80%, kaolin 69.36%, limestone 68.82%, zirconium ores & conc. 62.06%, ball clay 60.53%, petroleum (crude) 52.67%, coke 52.50%, dolomite 44.12%, magnesite 43.33%, marble 40.17%, granite 37.62%, bauxite 33.50% and copper ores & conc. 32.10 percent. However, the value of imports have declined by 33.05% for iron ore, 29.84% for zinc ores & conc., 17.41% for cobalt (ores & conc.), 13.89% for building and monumental stones NES and 13.42% for Diamond during the year under review over the previous year.

During 2011-12 minerals were imported from 75 countries (figures are inclusive of country item “unspecified”). Around 98% of the total value of imports of ores & minerals was confined to 39 countries. Out of these 39 countries only 13 countries accounted for about 81% of the total value of minerals imported during the year under review. Saudi Arabia occupies the top position in 2011-12 and in value terms accounts for 13.24% of the total value of minerals imports. Next in order was UAE 10.03%, Iraq 9.56%, Nigeria 7.32%, Kuwait 7.31%, Iran 5.91%, Qatar 5.16%, Australia 5.14%, Belgium 4.17%, Hong Kong 3.54%, Venezuela 3.39%, Angola 3.33% and Indonesia 3.25%. The individual share of Brazil, Egypt, USA, Algeria Malaysia and Oman varied between 2 to 1 percent and that of remaining countries was less than one percent.

Value of imports of ores and minerals in 2011-12 revealed that imports value from Ukraine increased manifold and that of Azerbaijan, Cameroon and Japan by more than four times, Brunei, Canada and Morocco by more than three times and Iraq, Mexico, Jordan, Egypt and China by more than double. The other countries which have recorded increase in value of imports of ore and minerals during current year are Indonesia 91.61%, Qatar 88.99%, Kuwait 72.58%, Australia 67.77%, Saudi Arabia 67.70%, New Zealand 60.23%, Brazil 58.66%, Thailand 52.83%, Chile 50.54%, Malaysia 44.90%, Nigeria 42.70%, Angola 35.91%, Venezuela 35.03%, Algeria 30.26%, Iran 26.83%, UK 26.03%, South Africa 24.12%, and Belgium 23.45%. Imports value, however, showed a decline of 39.84% for Yemen Republic, 34.26% for Oman, 33.61% for Sudan, 29.31% for Colombia and 2.62% for UAE. (Tables - 8 to 10).

FOREIGN TRADE

Table – 8 : Imports of Ores and Minerals, 2009-10 to 2011-12

(Value in ₹'000)

Mineral	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Minerals			5248299819		6690100315		9444303312
Abrasives (natural)	tonne	12058	154452	10082	139898	7940	86003
Alabaster	tonne	413	7425	1237	19920	1138	21525
Alumina	tonne	337072	6790221	281285	6924573	548891	13215746
Andalusite	tonne	5930	127949	5515	104883	6121	131788
Antimony ores and conc.	tonne	898	94154	2547	446982	3712	1153868
Arsenic sulphide (natural)	tonne	35	1306	57	2104	21	1027
Asbestos: Total	tonne	331415	9387999	365795	10025266	378122	11991739
Asbestos (chrysotile)	tonne	330106	9344369	353441	9939377	377302	11964029
Asbestos (others)	tonne	1309	43630	12354	85889	820	27710
Ballclay	tonne	123073	667661	126695	637682	191310	1023647
Barytes	tonne	3778	37295	2843	37498	3720	656032
Bauxite	tonne	54345	1141378	63584	1201033	78980	1603329
Bentonite	tonne	2378	74132	2301	74759	3956	122538
Borax: Total	tonne	78003	1873097	112225	2427019	96994	2621167
Natural borate	tonne	30690	571010	48401	801445	32546	658862
Sodium borate	tonne	42314	1070370	57107	1347556	59706	1642191
Other borates	tonne	4999	231717	6717	278018	4742	320114
Building & monumental stones, NES	tonne	1874801	1466316	909936	1527459	1137648	1315295
Calcite	tonne	111887	368852	143164	430793	260231	1215618
Chalk	tonne	1659	11477	3185	17140	1884	15919
Chromite: Total	tonne	95842	860966	86456	904750	136204	2019641
Chrome ore others	tonne	6778	98446	5870	119661	31423	596312
Chrome ore conc.	tonne	14	2408	13	2866	14612	256449
Chrome ore lumps	tonne	89050	760112	80573	782223	90169	1166880
Clay (others)	tonne	3200	59861	11610	103765	13013	144418
Coal (excluding Lignite)	'000 tonnes	391798228	73257	68918	415494801	102841	788268785
Lignite	'000 tonnes	++	1053	++	310	++	474
Coke	tonne	2355535	33310985	1490210	31203551	2364688	47584537
Coal gas	tonne	-	-	-	-	2	172
Cobalt (ores & conc.)	tonne	9590	1327248	5041	1515404	1196	1251501
Copper ores & conc.	tonne	2187460	189675846	1902026	200234533	2124501	264510239
Corundum (natural)	tonne	-	-	-	-	2	172
Diamond: Total		**	744408663	**	1527908912	**	1322922157
Diamond (industrial)	carat	2216	1031716	104159	845847	18681	56644
Diamond (mostly uncut)	carat	130101282	742991285	182227342	1526573162	152810849	1321809654
Diamond (powder)	'000 carat	107077	385662	136271	489903	204315	1055859
Diatomite	tonne	1584	46387	1510	47906	1583	46753
Dolomite	tonne	450979	991241	611833	1395183	1594573	2010748
Earth clay	tonne	29	744	83	4275	65	4751
Emerald (uncut & cut): Total		**	3905599	**	4957091	**	10627382
Emerald (uncut)	tonne	78	1562090	51	2394859	78	3037237
Emerald (cut)	'000 carat	2946	2343509	3945	2562232	7906	7590145
Felspar (natural)	tonne	7281	32129	20409	64063	41627	168923
Felspar (uncut & cut): Total		**	1560	**	6531	**	3199
Felspar (uncut)	tonne	3	1272	1	2650	70	1053
Felspar (cut)	'000 carat	++	288	3	3881	5	2146
Fireclay	tonne	43	720	689	10920	269	5177
Flint	tonne	862	5413	25	202	1	98

(Contd.)

FOREIGN TRADE

Table - 8 (Contd.)

Mineral	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Fluorite/Fluorspar	tonne	147138	1971459	161925	2333963	183662	4639660
Garnet (abrasive)	tonne	20	42	357	7490	314	5519
Garnet (cut & uncut) : Total		**	23848	**	16114	**	53509
Garnet (uncut)	tonne	++	3783	3	10671	41	53486
Garnet (cut)	'000 carat	102	20065	21	5443	++	23
Granite (Total)	tonne	51214	1016841	55554	1163349	64982	1600947
Granite (crude or roughly trimmed)	tonne	33072	618697	31300	578086	30660	733666
Granite (cut blocks/slabs)	tonne	3286	57671	2375	41510	3399	74268
Granite (polished blocks/tiles)	tonne	6267	159809	6207	157985	2965	87554
Granite (others)	tonne	8589	180664	15672	385768	27958	705459
Graphite (natural)	tonne	12780	395701	14348	460015	19287	944259
Gypsum & plaster	tonne	1548701	2212673	1697746	2212981	2776177	3979046
Iron ore: Total	'000 tonnes	897	4681128	1867	10284802	978	6885850
Iron ore conc.:							
Non-agglomerated	'000 tonnes	10	1601	5	79	++	1362
Iron ore fines	'000 tonnes	152	779767	55	179933	95	852293
Iron ore lumps	'000 tonnes	-	-	678	18869	81	387590
Iron ore pellets	'000 tonnes	721	3889791	1115	10070122	800	5620047
Iron ore pyrites	'000 tonnes	14	9969	14	15799	2	24558
Kaolin	tonne	46708	563887	52663	636698	73647	1078287
Kieselguhr	tonne	195	6337	156	5670	44	1415
Kyanite	tonne	292	8171	504	11318	260	14765
Lead ores & conc.	tonne	6944	223284	9722	342050	30282	1915093
Limestone	tonne	3899308	6191762	5035678	7043286	8557181	11890531
Magnesite: Total	tonne	66118	2053876	54929	1590290	72475	2279369
Magnesia (fused)	tonne	11846	327914	7869	244338	11141	408030
Magnesite (not calcined)	tonne	412	17890	478	11829	2375	19330
Magnesite (calcined)	tonne	21758	752797	13239	415407	14702	516151
Magnesite: Dead-burnt magnesia	tonne	13950	267092	16579	320044	16104	345444
Magnesium oxide	tonne	4677	232483	6264	270221	11254	396842
Magnesite (others)	tonne	13475	455700	10500	328451	16899	593572
Manganese ore: Total	tonne	797933	7470849	1299643	17813482	1961396	20632696
Manganese ore (46% or more Mn)	tonne	283146	3227378	531465	8247614	860032	10178669
Manganese ore (35% or more but below 46% Mn)	tonne	512498	4212534	752600	9386983	1070827	10213710
Manganese ore (30% or more but below 35% Mn)	tonne	299	3126	3097	30401	10253	78138
Manganese ore (others)	tonne	1990	27811	12481	148484	20284	162179
Marble: Total	tonne	431022	8418728	512169	10320860	635962	14466429
Marble (dressed)	tonne	312665	5136712	427558	7273477	532346	9762692
Marble (others)	tonne	118357	3282016	84611	3047383	103616	4703737
Mica: Total	tonne	1661	422697	1687	411461	2458	599808
Mica (unmanufactured)	tonne	379	15874	409	13603	894	28004
Mica (blocks)	tonne	++	137	++	12	133	963
Mica (powder)	tonne	72	6343	126	8429	170	9258
Mica (splittings)	tonne	191	5739	258	4707	445	14998
Mica (waste & scrap)	tonne	116	3655	25	455	146	2785
Mica (worked)	tonne	1282	406823	1278	397858	1564	571804
Mica (condenser films, plates, cuts, NES)	tonne	115	22377	92	48778	121	41233
Mica (washers & discs)	tonne	5	384	1	221	14	3248

(Contd.)

FOREIGN TRADE

Table - 8 (Concl'd.)

Mineral	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Mica (sheets & strips)	tonne	136	10535	203	9356	174	23676
Micanite & other built-up mica	tonne	27	3809	22	2122	19	2928
Mica (bricks)	tonne	-	-	4	1389	2	684
Mica worked (others)	tonne	999	369718	956	335992	1234	500035
Molybdenum ores & conc.	tonne	3751	3336296	4382	6086645	5223	6496596
Natural gas	tonne	9110571	110672243	9765763	146481792	13199608	328736293
Niobium/Tantalum ores & conc.	tonne	5	18268	11	9227	96	161086
Nickel ores & conc.	tonne	91	80938	219	143868	41729	2008548
Ochre Total:	tonne	2378	123482	1324	141001	1359	66315
Ochre (Earth colours)	tonne	1155	6865	50	2404	554	7960
Ochre (Persian red)	tonne	++	179	135	15796	31	6460
Ochre (Red oxide)	tonne	1145	111074	1086	116068	769	50075
Ochre (Yellow ochre)	tonne	78	5364	53	6733	5	1820
Petroleum (crude)	'000 tonnes	153629	3659009475	153120	4216162484	165712	6436885431
Precious & semi-precious stones, NES: Total		**	5803493	**	7051601	**	8304647
Precious & semi precious stones (uncut)	tonne	455	4067067	72591	4706924	27698	5855566
Precious & semi precious stones (cut)	'000 carat	3744	1736426	5756	2344677	6511	2449081
Precious metal ores & conc.	kg	525	37392	167	298094	-	-
Quartz & quartzite (natural)	tonne	823	11964	496	8699	578	11065
Quartz (natural)	tonne	486	7765	412	6189	506	8702
Quartzite (natural)	tonne	337	4199	84	2510	72	2363
Rock phosphate	tonne	5683654	32750208	5194203	32110281	9729592	83149873
Salts (other than common salt)	tonne	30838	67124	34148	82777	34208	85575
Sand (excluding metal bearing)	tonne	493454	177268	22379	28609	22811	53509
Sandstone	tonne	21000	22343	-	-	-	-
Silica sand	tonne	15384	287033	93741	413702	129490	598457
Sillimanite	tonne	1148	12589	1363	15992	14	2265
Slate	tonne	146	4663	89	3678	201	9426
Steatite/talc/soapstone: Total	tonne	2605	52455	10087	130423	5022	141498
Steatite blocks	tonne	54	325	1	129	32	401
Steatite lumps	tonne	180	876	6594	38009	868	4923
Steatite powder & others	tonne	2371	51254	3492	92285	4122	136174
Sulphur (excluding sublimed, precipitated & colloidal)	tonne	1533628	6810816	1356774	10977136	2037635	22832892
Tin ores & conc.	tonne	487	168047	195	86167	++	32
Titanium ores & conc.: Total	tonne	32104	747639	66759	861652	68501	1731291
Titanium ores & conc.: Ilmenite	tonne	11137	68649	48747	287449	48150	389054
Titanium ores & conc.: Rutile	tonne	15239	527866	13390	432741	14647	1065112
Titanium ores & conc. (other)	tonne	5728	151124	4622	141462	5704	277125
Tripoli earth	tonne	39	930	19	486	42	593
Tungsten ores & conc.	tonne	87	1538	27	900	327	5179
Vanadium ores & conc.	tonne	60	7762	4	1182	109	10605
Vermiculite	tonne	84	1906	312	7519	222	8227
Witherite	tonne	-	-	3	52	78	1994
Wollastonite	tonne	351	3889	2600	23913	806	12873
Zinc ores & conc.	tonne	59857	1911107	88171	3415929	63194	2396487
Zirconium ores & conc.	tonne	34724	1517772	54312	2665929	44400	4320340
Other minerals	tonne	34178	369539	40359	367542	61197	540836

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, 2009-10 to 2011-12
(By Principal Ores/Minerals)**

Ore/Mineral	2009-10		2010-11(R)		2011-12 (P)		% increase (+) or decrease (-) in 2011-12 over 2010-11
	Value in (₹'000)	% share in total value	Value in (₹'000)	% share in total value	Value in (₹'000)	% share in total value	
All Minerals	5248299819	100	6690100315	100	9444303312	100	41.17
Petroleum (crude)	3659009475	69.72	4216162484	63.02	6436885431	68.16	52.67
Diamond	744408664	14.18	1527908912	22.84	1322922157	14.01	-13.42
Coal (excluding lignite)	391798228	7.47	415494800	6.21	788268785	8.35	89.72
Natural gas	110672243	2.11	146481792	2.19	328736293	3.48	124.42
Copper ores & conc.	189675846	3.61	200234533	2.99	264510239	2.80	32.10
Rock phosphate	32750208	0.62	32110281	0.48	83149873	0.88	158.95
Coke	33310985	0.63	31203551	0.47	47584537	0.50	52.50
Sulphur (excluding sublimed, precipitated & colloidal)	6810816	0.13	10977136	0.16	22832892	0.24	108.00
Manganese ore	7470850	0.14	17813482	0.27	20632696	0.22	15.83
Marble	8418727	0.16	10320860	0.15	14466429	0.15	40.17
Alumina	6790221	0.13	6924573	0.10	13215746	0.14	90.85
Asbestos	9387999	0.18	10025266	0.15	11991739	0.13	19.62
Limestone	6191762	0.12	7043286	0.11	11890531	0.13	68.82
Emerald (cut & uncut)	3905598	0.07	4957091	0.07	10627382	0.11	114.39
Precious & semi-precious stones (cut & uncut): Total	5803493	0.11	7051602	0.11	8304647	0.09	17.77
Iron ore	4681129	0.09	10284801	0.15	6885848	0.07	-33.05
Molybdenum ores & conc.	3336296	0.06	6086645	0.09	6496596	0.07	6.74
Fluorite/fluorspar	1971459	0.04	2333963	0.03	4639660	0.05	98.79
Zirconium ores & conc.	1517772	0.03	2665929	0.04	4320340	0.05	62.06
Gypsum	2212673	0.04	2212981	0.03	3979046	0.04	79.80
Borax	1873096	0.04	2427018	0.04	2621167	0.03	8.00
Zinc ores & conc.	1911107	0.04	3415929	0.05	2396487	0.03	-29.84
Magnesite	2053878	0.04	1590290	0.02	2279369	0.02	43.33
Chromite	860967	0.02	904750	0.01	2019641	0.02	123.23
Dolomite	991241	0.02	1395183	0.02	2010748	0.02	44.12
Nickle ores & conc.	80938	0.00	143868	0.00	2008548	0.02	1296.10
Lead ores & conc.	223284	0.00	342050	0.01	1915093	0.02	459.89
Titanium ores & conc.	747638	0.01	861652	0.01	1731291	0.02	100.93
Bauxite	1141379	0.02	1201032	0.02	1603329	0.02	33.50
Granite	1016841	0.02	1163350	0.02	1600947	0.02	37.62
Building and monumental stones, NES	1466316	0.03	1527459	0.02	1315295	0.01	-13.89
Cobalt ores & conc.	1327248	0.03	1515404	0.02	1251501	0.01	-17.41
Calcite	368852	0.01	430793	0.01	1215618	0.01	182.18
Antimony ores & conc.	94154	0.00	446982	0.01	1153868	0.01	158.15
Kaolin	563887	0.01	636698	0.01	1078287	0.01	69.36
Ball clay	667661	0.01	637682	0.01	1023647	0.01	60.53
Graphite (natural)	395701	0.01	460015	0.01	944259	0.01	105.27
Barytes	37295	0.00	37498	0.00	656032	0.01	1649.51
Other minerals	2353892	0.04	2668694	0.04	3137318	0.03	17.41

Source: DGCI&S, Kolkata.

FOREIGN TRADE

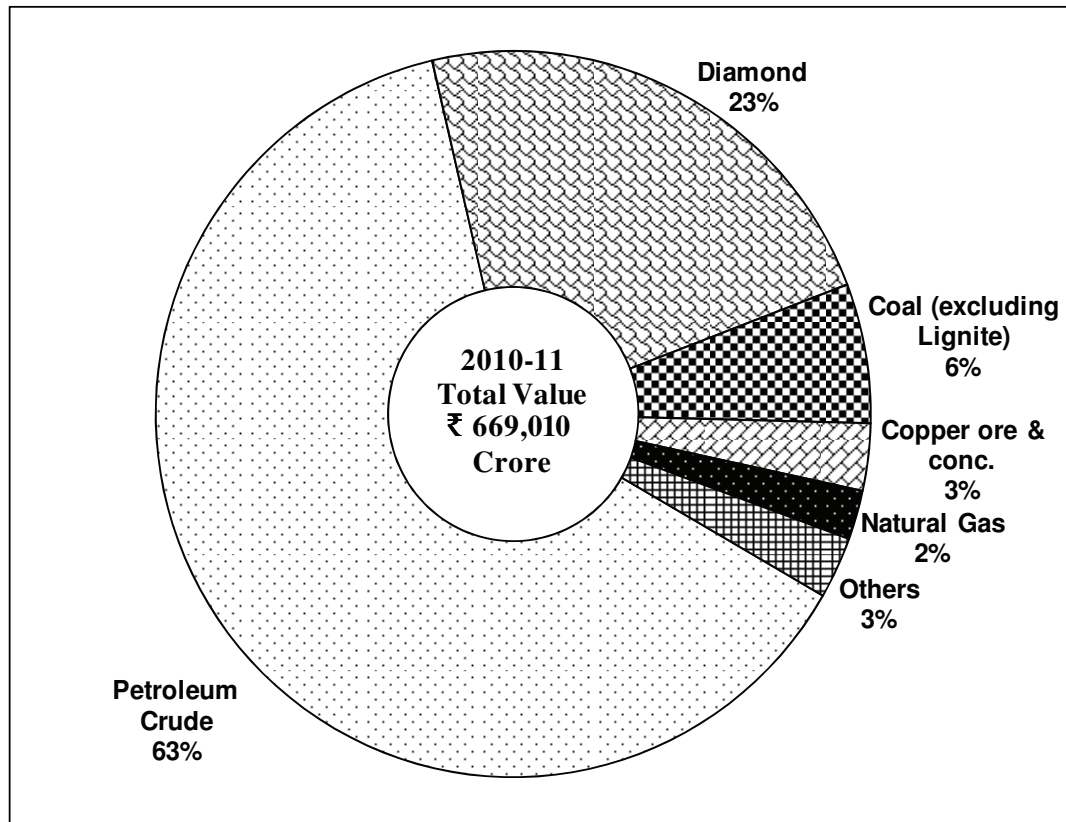
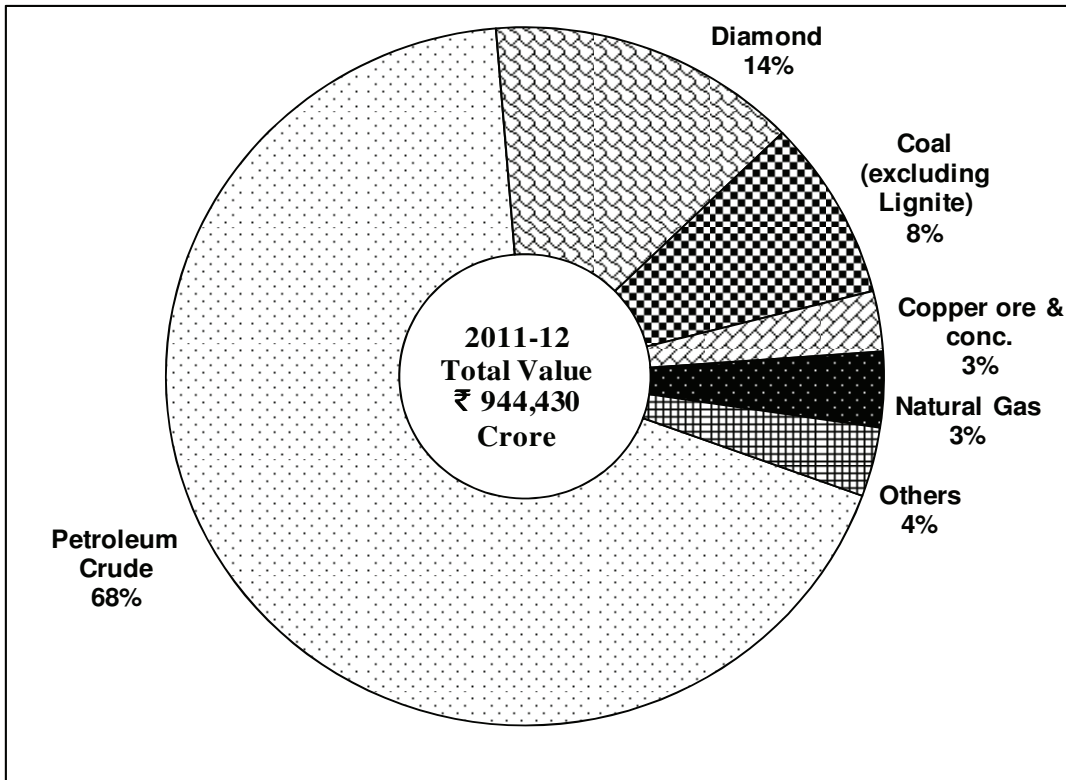
**Table – 10 : Value of Imports of Ores & Minerals, 2009-10 to 2011-12
(By Principal Countries)**

Country	2009-10		2010-11(R)		2011-12 (P)		% increase (+) or decrease (-) in 2011-12 over 2010-11
	Value in (₹'000)	% share in total value	Value in (₹'000)	% share in total value	Value in (₹'000)	% share in total value	
All Countries	5248299819	100	6690100315	100	9444303312	100.00	41.17
Saudi Arabia	665062569	12.67	745766548	11.15	1250663851	13.24	67.70
UAE	518931849	9.89	972371127	14.53	946902280	10.03	-2.67
Iraq	330483468	6.30	407338682	6.09	902529099	9.56	121.57
Nigeria	339783934	6.47	484285160	7.24	691057737	7.32	42.70
Kuwait	346414651	6.60	400062416	5.98	690418307	7.31	72.58
Iran	497082588	9.47	439795940	6.57	557774315	5.91	26.83
Qatar	189851683	3.62	258017070	3.86	487636196	5.16	88.99
Australia	258595361	4.93	289408116	4.33	485543879	5.14	67.77
Belgium	215514515	4.11	319352737	4.77	394255732	4.17	23.45
Hong Kong	141141843	2.69	323172517	4.83	334590704	3.54	3.53
Venezuela	133174668	2.54	237198060	3.55	320291805	3.39	35.03
Angola	199896441	3.81	231709448	3.46	314906696	3.33	35.91
Indonesia	170950419	3.26	160263933	2.40	307085598	3.25	91.61
Brazil	63688128	1.21	100642737	1.50	159676912	1.69	58.66
Egypt	67740267	1.29	53557835	0.08	131780644	1.40	146.05
USA	53435670	1.02	102349894	1.53	113367960	1.20	10.77
Algeria	45725084	0.87	77877298	1.16	101443687	1.07	30.26
Malaysia	66133025	1.26	67574947	1.01	97916727	1.04	44.90
Oman	134040820	2.55	144861436	2.17	95226076	1.01	-34.26
South Africa	74312607	1.42	75170301	1.12	93299145	0.99	24.12
Chile	45463698	0.87	59854933	0.89	90106888	0.95	50.54
Mexico	33373470	0.64	28456133	0.43	83431799	0.88	193.19
Israel	34248915	0.65	55898933	0.84	67794902	0.72	21.28
UK	40462475	0.77	53613673	0.8	67571384	0.72	26.03
China	23084600	0.44	28559732	0.43	63508535	0.67	122.37
Russia	53412732	1.02	43638504	0.65	52287100	0.55	19.82
Yemen Republic	69240928	1.32	76541724	1.14	46046509	0.49	-39.84
Jordan	14718352	0.28	16010711	0.24	43911490	0.46	174.26
Azerbaijan	1325281	0.25	8754606	0.13	40262093	0.43	359.90
Brunei	20254829	0.39	10623176	0.16	34856370	0.37	228.12
Columbia	19360837	0.37	36941918	0.55	26115958	0.28	-29.31
Cameroon	5615232	0.11	5362982	0.08	23323440	0.25	334.90
Canada	5837566	0.11	7326407	0.11	22485915	0.24	206.92
Thailand	7879048	0.15	11901033	0.18	18188702	0.19	52.83
Japan	6029483	0.11	4489346	0.07	18129612	0.19	303.84
Sudan	20648024	0.39	25754589	0.38	17098621	0.18	-33.61
New Zealand	10002992	0.19	8136697	0.12	13037203	0.14	60.23
Ukraine	2923407	0.06	2273405	0.03	12961689	0.14	470.14
Morocco	5580013	0.11	4102534	0.06	12408948	0.13	202.47
Other countries	304950814	5.81	311083077	4.65	214408804	2.27	-31.08

Source: DGCI&S, Kolkata.

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Value of Mineral Imports, 2010-11 and 2011-12



Metals & Alloys

The value of imports of metals & alloys at ₹418,310 crores showed an increase of 45.84% in 2011-12 as compared to ₹286,835 crore in the previous year. The contribution of metals & alloys in the total value of all merchandise imported into India was about 18% in 2011-12.

Gold, non-monetary & monetary (total) with a share of 64.52% continued to occupy the top position in the total value of metals & alloys in 2011-12. Iron & steel came in second place and accounted for a share of 19.47 percent. Silver occupied the third place with a share of 5.91 percent. Next in order were aluminium alloys & scrap 3.39% and copper & alloys (including brass & bronze) 3.07 percent. The individual share of remaining metals was less than one percent of the total value of imports of metals & alloys.

The value of imports of silver clad base metals have increased manifold and that of silver, mercury and other rare metals NES has increased more than double as compared to previous year. The values of imports of metals and alloys which have shown significant growth are tungsten and alloys incl. scrap 92.71%, titanium & alloys (including waste & scrap) 89.30%, precious metals/metals clad with precious metals 68.47%, selenium 67.86%, copper & alloys (including brass & bronze) 49.64%, gold (non-monetary & monetary): Total 46.11%, molybdenum & scrap 45.21%, aluminium and alloys including scrap 40.01%, antimony alloys and scrap 38.89%, platinum alloys & related metals 38.82%, iron & steel 32.14%, magnesium & scrap 32.02%, manganese & alloys (including waste & scrap) 31.05%, bismuth & scrap 30.74% and chromium & alloys 23.85 percent in 2011-12 as compared to that in the previous year. On the other hand, during 2011-12, the values of imports of metals and alloys that have declined are Cadmium (including waste & scrap) 31.42%, tellurium 13.98% and lead and alloys including scrap 1.70 percent as compared to the previous year.

India imported metals & alloys from 190 countries in 2011-12 as against 181 countries in 2010-11 (both figures include “unspecified” country item). Bulk of the metals & alloys was imported from 34 countries (including “unspecified” country item only) which accounted for 96.29% of the total value of metal imports in 2011-12. Switzerland occupied the top position with a contribution of 34.29% of the total value of metal imports in 2011-12 followed by UAE in second place with a share of 13.16 percent. The countries next in the order were South Africa 8.20%, China 7.17%, Australia 4.28%, USA 3.32%, UK 3.28%, Korea Rep. of 3.14% and Japan 2.60%. The individual share of Japan, Germany, Russia, Chinese Taipei/Taiwan, Hong Kong and Malaysia was between 1% and 2% and that of remaining countries was less than one percent.

During 2011-12, value of imports from Peru increased by manifold and that from Oman increased by more than three times and Poland, Mexico, Austria, Turkey and UK by more than double. The other countries which have recorded positive growth in imports are Italy 94.44%, Singapore 93.14%, Vietnam 87.90%, Germany 84.72%, Belgium 84.63%, France 83.88%, Russia 76.24%, Japan 61.77%, South Africa 56.99%, China 53.53%, Hong Kong 52.80%, Malaysia 51.14%, Korea Rep. of 50.36%, Saudi Arabia 49.96%, Spain 48.82%, USA 46.09%, Thailand 44.70%, UAE 40.50%, Sweden 39.83%, Switzerland 38.59%, Canada 35.36% and Chinese Taipei/Taiwan 35.08 percent. Decline in the value of import of metals & alloys was however observed in 2011-12 in case of Indonesia only by 14.84% as compared to previous year (Tables - 11 to 13).

Imports of selected mineral-based products in 2009-10 to 2011-12 are furnished in Table -14.

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Table – 11: Imports of Metals and Alloys, 2009-10 to 2011-12

(Value in ₹'000)

Metal/Alloy	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Metals and Alloys			2144246493		2868348244		4183099235
Aluminium alloys & scrap	tonne	726656	72160299	881144	101220027	1108292	141716112
Antimony alloys & scrap	tonne	927	231371	543	256726	380	356570
Bismuth & scrap	tonne	106	80768	112	107370	117	140378
Boron	tonne	1	2252	++	1027	++	335
Cadmium & scrap	tonne	968	160628	655	122567	567	84058
Chromium alloys & scrap	tonne	640	258723	706	404055	746	500440
Cobalt alloys & scrap: Total	tonne	597	1158986	726	1574437	994	1912305
Cobalt & alloys	tonne	597	1158986	726	1573775	994	1911680
Cobalt (scrap)	tonne	-	-	++	662	++	625
Copper (cement copper precipitated)	tonne	2177	212716	147	21437	30	5166
Copper & alloys (incl. brass & bronze)	tonne	205591	55366184	260108	85717042	350290	128268204
Copper and alloys	tonne	110169	34138378	140163	51176534	172084	74403982
Copper (scrap)	tonne	24214	6407313	39651	14423261	57866	22347427
Copper alloys (scrap)	tonne	27	3879	-	-	6	2587
Brass & bronze	tonne	14626	4570432	16714	6022873	16271	6841230
Brass & bronze (scrap)	tonne	56555	10246182	63580	14094374	104063	24672978
Ferro-alloys: Total	tonne	208973	18630802	225263	25230287	278759	29752569
Ferro-boron	tonne	263	35288	429	58265	642	124181
Ferro-chrome	tonne	17226	1827839	22412	3041559	32064	3694428
Charge-chrome	tonne	500	16354	2503	125126	34731	1847286
Ferro-manganese	tonne	28604	1700420	38929	2140883	24660	1732494
Ferro-molybdenum	tonne	1109	1320615	963	1443459	1067	1541479
Ferro-nickel	tonne	21019	3465442	6862	4892738	6864	4796001
Ferro-niobium	tonne	769	1171887	1432	2221360	1660	2355931
Ferro-phosphorus	tonne	1138	25771	1749	38095	2373	56798
Ferro-silicon	tonne	125138	7025516	135094	8660391	148759	10206947
Ferro-titanium	tonne	1843	227645	1658	397378	1370	496047
Ferro-tungsten	tonne	20	24976	72	71671	10	23797
Ferro-tantalum	tonne	-	-	1	2011	-	-
Ferro-vanadium	tonne	881	948903	891	1005527	907	1098356
Ferro-silico-chrome	tonne	7	997	16	2156	107	7137
Ferro-silico-magnesium	tonne	1523	109062	1597	139830	2227	235038
Ferro-silico-manganese	tonne	1377	61995	1642	87831	13223	529245
Ferro-zirconium	tonne	193	22849	238	36640	689	75704
Ferro-alloys (others)	tonne	7363	645243	8775	865367	7406	931700
Gold, non-monetary & monetary: Total	kg	851023	1358831868	969738	1847287525	1078354	2699007054
Gold, non-monetary : Total	kg	851023	1358831868	969738	1847287525	1078354	2699007054
Gold, non-monetary : powder	kg	32	52810	2	99	-	-
Gold, non-monetary: other semi-manufactured forms	kg	4760	7638289	51961	102954219	49905	116688900
Gold, non-monetary, other unwrought forms	kg	846231	1351140769	917775	1744333207	1028449	2582318154
Gold-clad metals/base metals, NES.	tonne	++	11849	++	522	++	1939
Iron & steel: Total	tonne	14442652	511365616	14401512	616497590	17381812	814625474
Iron & steel (finished steel incl. C.R. sheets)	tonne	2986180	171605291	2981662	200100488	3631437	258832822
Iron & steel (semi-finished steel incl. ingots)	tonne	5529733	162605997	5853171	199872343	5379027	213386401

(Contd.)

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Table - 11 (Concl'd.)

Metal/Alloy	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Iron & steel (steel wire)	tonne	126531	7783851	163060	11174142	154054	12647308
Iron & steel (sponge iron)	tonne	125464	1798556	41982	729817	660604	15987473
Iron & steel (scrap)	tonne	5286225	96084087	4557022	108688994	6962722	188938245
Iron & steel (alloy steel (granules))	tonne	12776	531453	13866	567809	15277	736042
Iron & steel (alloy steel (powder))	tonne	956	232944	2068	396792	2263	543391
Iron & steel (other finished steel, NES)	tonne	374787	70723437	788681	94967205	576428	123553792
Lead and alloys & scrap	tonne	253275	21984498	285662	27568237	240698	27100104
Lead & alloys	tonne	212890	18788265	227387	22411491	174045	20575192
Lead (scrap)	tonne	40385	3196233	58275	5156746	66653	6524912
Magnesium & scrap	tonne	8644	1333187	11151	1566701	11976	2068338
Manganese & alloys incl. waste & scrap: Total	tonne	11214	1351356	13982	2028316	15890	2658100
Manganese & alloys (unwrought & wrought)	tonne	11149	1334081	13565	1953655	15625	2619189
Manganese & alloys, NES	tonne	65	17275	417	74661	265	38911
Mercury	tonne	313	196831	191	243129	177	582676
Molybdenum & scrap	tonne	297	664803	412	932478	826	1354032
Nickel and alloys (incl. scrap)	tonne	23909	19473718	33306	32130836	34787	39121536
Nickel & alloys	tonne	22922	19242826	32264	31797943	33658	38729885
Nickel (scrap)	tonne	987	230892	1042	332893	1129	391651
Other rare metals, NES	tonne	60	115227	44	164666	118	333218
Pig & cast iron incl. spiegeleisen	tonne	39013	1700708	48291	2316267	44156	2713997
Platinum, alloys and related metals: Total	kg	6215	7893762	5072	8451719	6129	11732833
Platinum (powder, unwrought & others)	kg	4210	6938320	2275	5872712	3219	8406188
Other metals of platinum group	kg	2005	955442	2797	2579007	2910	3326645
Platinum-clad base/precious metals	kg	22	537	5	405	7	1435
Precious metals/metals clad with precious metals	tonne	1	317483	4	124220	++	209272
Selenium	tonne	190	434583	209	699503	194	1174174
Silicon	tonne	24245	2186037	32055	3523172	35380	4256979
Silver	tonne	2075	45636507	2666	89531561	4661	247042322
Silver-clad base metals	kg	31	223	5	148	1174	32270
Tantalum & scrap: Total	tonne	7	29111	14	22580	3	23755
Tantalum alloys unwrought	tonne	7	28732	11	20361	3	22776
Tantalum & scrap	tonne	++	379	3	2219	++	979
Tellurium	tonne	9	55532	3	35182	1	30262
Tin and alloys (incl. scrap)	tonne	7672	5148447	7494	7258073	8055	8789035
Tin & alloys	tonne	7367	5082623	7104	7114189	7792	8664921
Tin (scrap)	tonne	13	193	43	994	++	214
Tin & alloys: worked	tonne	292	65631	347	142890	263	123900
Titanium alloys & scrap	tonne	1745	3069414	822	1135500	1504	2149522
Tungsten alloys & scrap	kg	356156	702068	404654	848380	637994	1634925
Zinc and alloys (incl. scrap)	tonne	153920	13463420	112228	11302210	131432	13704756
Zinc & alloys	tonne	126684	11698545	82411	8635693	82852	9595657
Zinc (scrap)	tonne	27236	1764875	29817	2666517	48580	4109099
Zirconium & scrap	tonne	10	16979	12	24349	7	15090

Source: DGCI&S, Kolkata.

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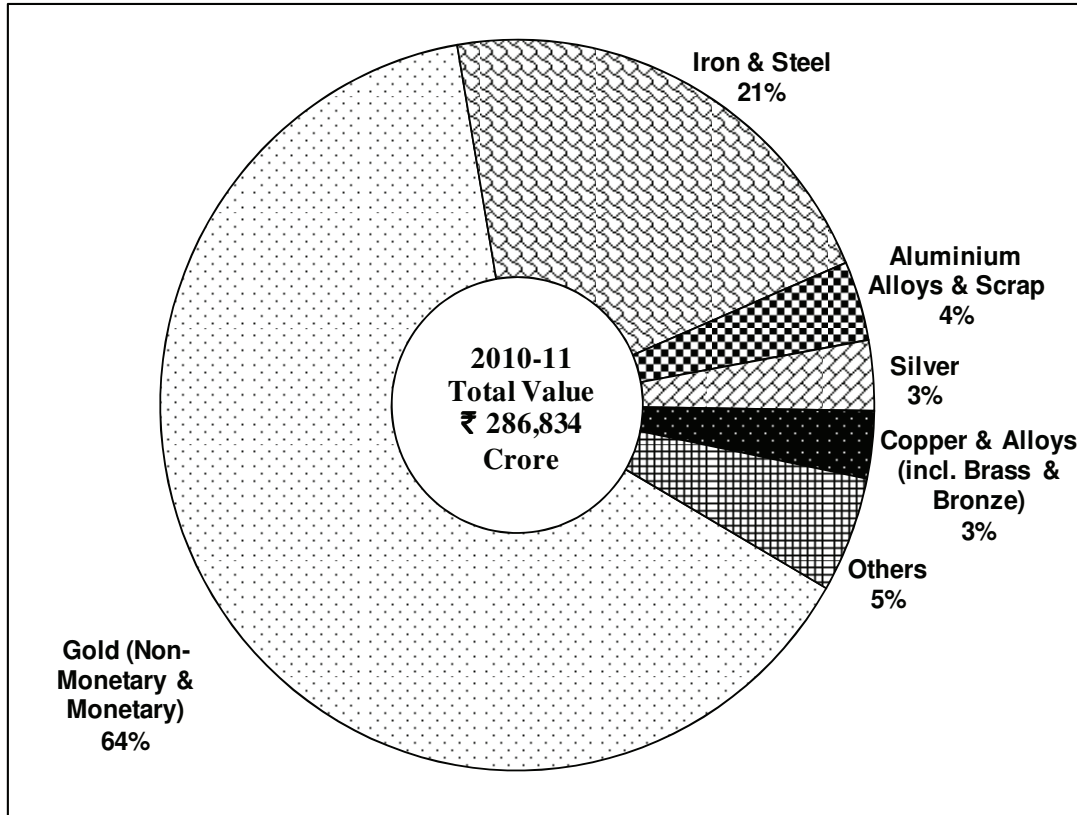
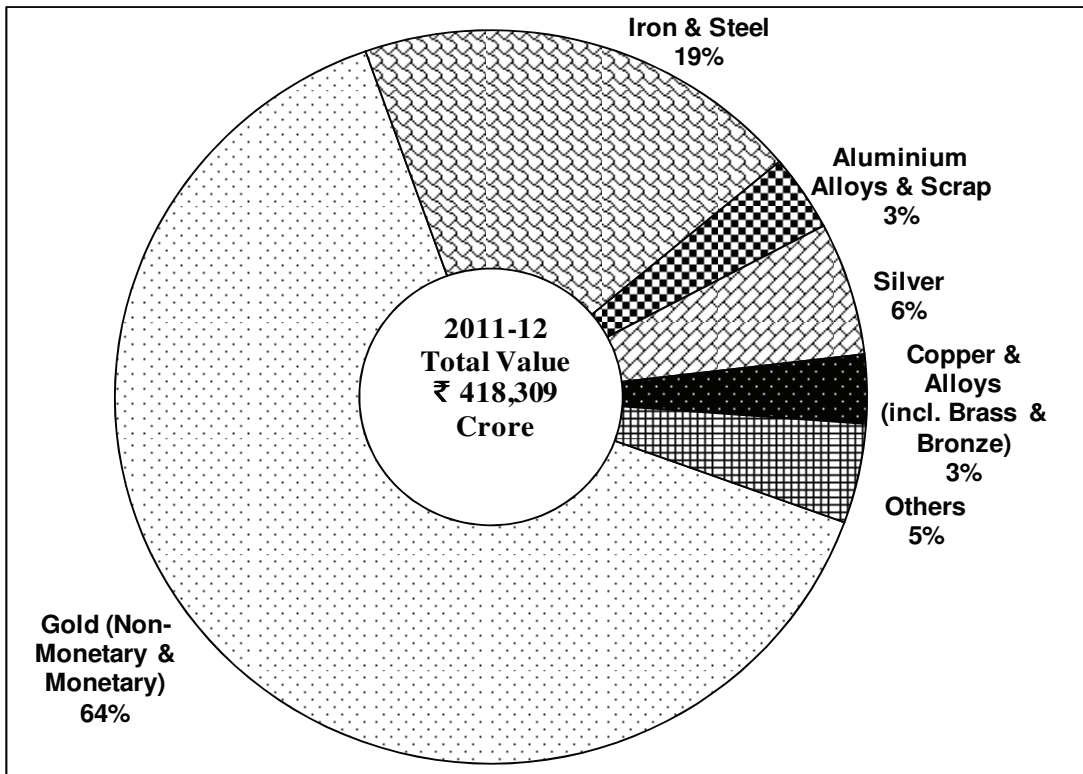
**Table – 12 : Value of Imports of Metals & Alloys, 2009-10 to 2011-12
(By Principal Metals & Alloys)**

Metal/Alloy	2009-10		2010-11(R)		2011-12 (P)		% increase (+) or decrease (-) in 2011-12 over 2010-11
	Value in (₹*000)	% share in total value	Value in (₹*000)	% share in total value	Value in (₹*000)	% share in total value	
All Metals & Alloys	2144246493	100	2868348244	100	4183099235	100	45.84
Gold (Non-monetary & monetary): Total	1358831868	63.37	1847287526	64.40	2699007054	64.52	46.11
Iron & steel	511365617	23.85	616497591	21.49	814625474	19.47	32.14
Aluminium and alloys incl. scrap	72160300	3.37	101220027	3.53	141716111	3.39	40.01
Silver	45636507	2.13	89531561	3.12	247042322	5.91	175.93
Copper & alloys (incl. brass & bronze)	55366184	2.58	85717043	2.99	128268204	3.07	49.64
Nickel and alloys incl. scrap	19473720	0.91	32130836	1.12	39121537	0.94	21.76
Lead and alloys incl. scrap	21984498	1.03	27568236	0.96	27100104	0.65	-1.70
Ferro-alloys	18630801	0.87	25230288	0.88	29752568	0.71	17.92
Zinc and alloys incl. scrap	13463421	0.63	11302211	0.39	13704756	0.33	21.26
Platinum alloys & related metals	7893761	0.37	8451719	0.29	11732832	0.28	38.82
Tin and alloys incl. scrap	5148447	0.24	7258073	0.25	8789035	0.21	21.09
Silicon	2186037	0.10	3523172	0.12	4256979	0.10	20.83
Pig & cast iron (incl. spiegeleisen)	1700708	0.08	2316267	0.08	2713997	0.06	17.17
Manganese & alloys (incl waste & scrap)	1351356	0.06	2028316	0.07	2658100	0.06	31.05
Cobalt & alloys (incl waste and scrap)	1158986	0.05	1574437	0.05	1912304	0.05	21.46
Magnesium & scrap	1333187	0.06	1566702	0.05	2068337	0.05	32.02
Titanium & alloys (incl. waste & scrap)	3069413	0.14	1135499	0.04	2149523	0.05	89.30
Molybdenum & scrap	664803	0.03	932478	0.03	1354032	0.03	45.21
Tungsten and alloys incl. scrap	702069	0.03	848380	0.03	1634925	0.04	92.71
Selenium	434583	0.02	699503	0.02	1174174	0.03	67.86
Chromium & alloys	258724	0.01	404055	0.01	500439	0.01	23.85
Antimony alloys and scrap	231371	0.01	256725	0.01	356570	0.01	38.89
Mercury	196831	0.01	243129	0.01	582676	0.01	139.66
Other rare metals, NES	115227	0.01	164667	0.01	333217	0.01	102.36
Precious metals/ metals clad with precious metals	317483	0.01	124220	0.00	209272	0.01	68.47
Other metals & alloys	273441	0.01	70315	0.00	47726	0.00	-32.13

Source: DGCI&S, Kolkata.

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Value of Imports of Metals & Alloys, 2010-11 and 2011-12



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**Table – 13 : Value of Imports of Metals & Alloys, 2009-10 to 2011-12
(By Principal Countries)**

Country	2009-10		2010-11(R)		2011-12 (P)		% increase (+) or decrease (-) in 2011-12 over 2010-11
	Value in (₹'000)	% share in total value	Value in (₹'000)	% share in total value	Value in (₹'000)	% share in total value	
All Countries	2144246493	100	2868348244	100	4183099235	100	45.84
Switzerland	610254224	28.46	1035064968	36.09	1434506278	34.29	38.59
UAE	295988955	13.80	391933121	13.66	550648528	13.16	40.50
South Africa	171767648	8.01	218567066	7.62	343132955	8.20	56.99
China	98821827	4.61	195363686	6.81	299935446	7.17	53.53
Australia	291199793	13.58	160306464	5.59	178921456	4.28	11.61
USA	75737309	3.53	95071736	3.31	138893245	3.32	46.09
UK	56543445	2.64	67807704	2.36	137404088	3.28	102.64
Korea, Rep. of	71224250	3.32	87418595	3.05	131441908	3.14	50.36
Japan	48426243	2.26	67358559	2.35	108968617	2.60	61.77
Germany	46575881	2.17	54193926	1.89	100108342	2.39	84.72
Russia	38079359	1.78	49545777	1.73	87320242	2.09	76.24
Hong Kong	23185818	1.08	30256533	1.05	46233284	1.11	52.80
Chinese Taipei/Taiwan	15921157	0.74	33929487	1.18	45831477	1.10	35.08
Malaysia	13432976	0.63	30017617	1.05	45367964	1.08	51.14
Italy	23709154	1.11	19776884	0.69	38453737	0.92	94.44
Belgium	15559467	0.73	16742088	0.58	30910180	0.74	84.63
France	23094274	1.08	15659971	0.55	28794788	0.69	83.88
Singapore	8812849	0.41	14486974	0.51	27979594	0.67	93.14
Thailand	11599216	0.54	18212751	0.63	26353038	0.63	44.70
Ukraine	23898991	1.11	20270501	0.71	24370137	0.58	20.22
Netherlands	12009684	0.56	18942157	0.66	22315383	0.53	17.81
Saudi Arabia	8533714	0.40	14744574	0.51	22111365	0.53	49.96
Oman	3062477	0.14	5384642	0.19	20903048	0.50	288.20
Sweden	9805676	0.46	12090025	0.42	16905577	0.40	39.83
Spain	8287590	0.39	10545747	0.37	15704387	0.38	48.92
Brazil	15321252	0.71	13193149	0.46	13958511	0.33	5.80
Austria	3339201	0.16	6462928	0.23	13705934	0.33	112.07
Turkey	9054560	0.42	6291147	0.22	12762949	0.31	102.87
Indonesia	5406217	0.25	14079354	0.49	11989675	0.29	-14.84
Poland	2631005	0.12	4059858	0.14	11900378	0.28	193.12
Peru	345831	0.02	186826	0.01	11660155	0.28	6141.18
Canada	10160109	0.47	7965656	0.28	10782109	0.26	35.36
Mexico	1682872	0.08	3321312	0.12	9366995	0.22	182.03
Vietnam	423324	0.02	4421320	0.15	8307845	0.20	87.90
Other Countries	90350145	4.21	124675141	4.35	155149620	3.71	22.44

Source: DGCI&S, Kolkata.

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Table – 14 : Import of Selected Mineral-based Products 2009-10 to 2011-12

(Value in ₹'000)

Mineral-based-product	Unit	2009-10		2010-11(R)		2011-12(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Items			565053924		700910076		761092904
Aluminium fluoride	tonne	24140	1062421	13988	659655	28448	2018783
Asbestos cement products	tonne	2653	75254	5561	111165	6641	202887
Bleaching powder	tonne	42	1911	72	3156	108	4450
Boric acid	tonne	7786	282304	9407	314416	7918	349536
Briquettes of coke, semi-coke of coal	tonne	23	581	100	685	10769	106569
Calcium carbide	tonne	51598	1665734	56479	1904603	56500	2150700
Caustic soda	tonne	311417	4376188	138480	2076410	212642	4281093
Cement: Total	tonne	2111997	5683270	1095624	3526386	1011064	3795837
Cement (portland grey)	tonne	726409	2222213	780180	2366507	746028	2542808
Cement (portland white)	tonne	19371	77218	7910	50230	9613	65832
Cement (clinkers)	tonne	1257105	2799931	184033	420351	145897	397100
Cement (others)	tonne	109112	583908	123501	689298	109526	790097
Cryolite (artificial)	tonne	21330	336149	8176	146530	9885	236351
Fire bricks/Refractory bricks	tonne	293578	8993946	366310	10726152	662726	15082560
Graphite (artificial)	tonne	13422	1324733	15903	1548569	31415	2809833
Graphite bricks & shapes	tonne	50	1509	215	12535	389	187616
Graphite crucibles	tonne	3267	118418	5743	142945	5348	238320
Hydrofluoric acid	tonne	2692	132679	1240	84867	1061	93803
Manganese oxide: Total	tonne	7154	637750	8963	623869	7279	607857
Manganese oxides (other than manganese dioxide)	tonne	1213	148747	1709	150331	941	116357
Manganese dioxide.	tonne	5941	489003	7254	473538	6338	491500
Petroleum Products: Total	000't	14665	33800000	16815	52106000	14997	54166000
Light distillates	000't	4837	14535000	8278	29331000	7712	33977000
Naptha	000't	1734	4942000	2074	6822000	1974	7816000
Other distillates	000't	3103	9593000	6204	22509000	5738	26161000
Middle distillates	000't	3516	9299000	3454	12105000	1615	7645000
Heavy ends	000't	6312	9966000	5083	10670000	5670	12544000
Phosphoric acid	tonne	2692899	67332518	2008376	63786633	2324532	99320356
Phosphorus (elemental)	tonne	15911	1987340	19949	2685267	22630	3509486
Phosphatic fertilizers	tonne	72805	1083798	82582	1553711	110644	2902686
Potash fertilizer	tonne	5188833	120184457	4617512	77338258	2842342	66003275
Potassium nitrate	tonne	530	43787	466	22620	219	14955
Silicon carbide crucibles	tonne	1150	48859	1262	45109	2074	97566
Soda ash	tonne	555956	5628282	489955	4957343	445364	5282891
Sodium nitrate	tonne	4060	90371	2483	52216	2102	51343
Sodium nitrite	tonne	14290	335598	12915	334565	14909	393687
Sulphur (sublimed, precipitated & colloidal): Total	tonne	2369	221905	5468	453101	2981	268017
Sulphur (colloidal)	tonne	17	386	32	2389	122	7019
Sulphur (precipitated)	tonne	1529	130614	4327	360751	2217	197091
Sulphur (sublimed)	tonne	823	90905	1109	89961	642	63907
Titanium oxide & dioxide: Total	tonne	15453	1691888	18694	2148503	23110	3545107
Titanium oxide	tonne	279	35580	399	54739	475	54888
Titanium dioxide	tonne	15174	1656308	18295	2093764	22635	3490219
Other refractory manufactures	tonne	37878	1310689	243722	1704100	40172	2638943
Non-ferrous ash & residues	tonne	59440	2372286	39937	2617672	50929	3156820
Slag dros	tonne	6497	29299	41040	269035	17251	81577

Source: DGCI&S, Kolkata.