

FOREIGN TRADE



Indian Minerals Yearbook 2022

(Part- I : GENERAL REVIEWS)

61st Edition

FOREIGN TRADE

(ADVANCE RELEASE)

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

Indira Bhavan, Civil Lines,
NAGPUR – 440 001

PHONE/FAX NO. (0712) 2565471
PBX : (0712) 2562649, 2560544, 2560648
E-MAIL :cme@ibm.gov.in
Website: www.ibm.gov.in

August, 2023

10 Foreign Trade

EXPORTS

Ores & Minerals

During the year 2021-22, the value of exports (including re-exports) of ores and minerals at ₹2,57,863 crore accounted for about 8.19% of the total value of all merchandise exported from India. The value of exports of ores & minerals which increased from ₹1,96,654 crore in 2020-21 to ₹2,57,863 crore in 2021-22. The value of mineral exports showed an increase of 31.13% in 2021-22 as compare to that of the previous year.

Diamond (total) continued to be the largest constituent item with a share of 73.44% in the total value of mineral exports in 2021-22. Next in the order of share were iron ore with the contribution of 9.36% followed by granite 4.90%, precious and semi-precious stone (cut & uncut) 1.96% and alumina 1.84%. 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 one per cent.

The value of exports of ores & Minerals (including re-exports) showed a mixed trend for most of the minerals in 2021-22 as compared to that of the previous year. A significant increase was also noticed in some cases. The exports value of minerals which have shown significant growth are coke (759.71%) and Sulphur excluding sublimed Precipitated &

colloidal) (385.39%). On the other hand, the exports value recorded significant decline in the cases of Limestone (89.40%), copper ores & conc. (48.44%), and Iron ore (33.40%), as compared to that in the previous year.

Ores and minerals were exported to various countries in 2021-22. About 86.65% of the total value of exports of ores and minerals was confined to only ten countries. During 2021-22, USA occupied the top position in terms of value accounting for 30.07% of the total value of mineral exports, Hong Kong was in the second place and contributed 22.28% followed by China (10.45%), Belgium (7.75%), UAE (6.96%), Israel (4.17%), Thailand (3.31%), Japan (1.46%), UK (1.41%) and Vietnam (0.99%). The individual share of remaining countries was less than one per cent.

Countrywise analysis of value of mineral exports revealed that exports of minerals witnessed significant positive growth as compared to the previous year for philippines (1126.04%), Croatia (591.57%), Romania (331.90%), South Africa (316.89%), Italy (263.31%), France (143.40%), Netherlands (121.77%) and Belgium (107.02%).

However, value of export of ores & minerals declined significantly in respect of Bangladesh (59.78%), China (29.11%), Algeria (17.63%), Baharain (17.16%), Japan (10.43%) and Kuwait (9.72%). (Tables -1 to 3).

Table-1 : Exports of Ores and Minerals (including re-exports), 2019-20 to 2021-22

		(Value in ₹'000)					
Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Minerals		**	1896831578	**	1966539540	**	2578629646
Abrasive (Natural)	tonne	92241	1568206	23411	376713	14106	236450
Alabaster	tonne	27	256	4	184	++	11

(contd)

FOREIGN TRADE

Table-1 (contd)

		(Value in ₹'000)					
Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Alumina	tonne	1330038	30900409	1265941	28280781	1487035	47334417
Andalusite	tonne	19	1240	9	476	18	1233
Arsenic Sulphide (Natural)	tonne	++	69	277	1697	51	505
Asbestos: Total	tonne	1001	31011	299	11991	1906	68026
Asbestos (Chrysotile)	tonne	997	30994	275	11895	1905	67961
Asbestos (Others)	tonne	4	17	24	96	1	65
Ball Clay	tonne	153658	398714	170915	410109	266680	664037
Barytes	tonne	2221693	12896670	1010894	6261470	1874837	11075666
Bauxite	tonne	524229	1421269	240841	951442	378081	1005256
Bentonite	tonne	1647485	5674970	1557484	5215656	1585962	5850483
Borax: Total	tonne	2977	359860	2996	414601	4725	656472
Natural Borate	tonne	214	6806	55	5633	44	3489
Sodium Borate	tonne	773	54235	741	56265	1534	104106
Other Borates	tonne	1990	298819	2200	352703	3147	548877
Building And Monumental Stones Nes	tonne	12612479	15692854	13134116	24200968	13295779	24912268
Calcite	tonne	36433	273950	23867	155049	24789	163372
Chalk	tonne	1317	8022	1104	6155	1129	7557
Chromite: Total	tonne	33898	867910	2872	71979	2625	89710
Chrome Ore Others	tonne	3433	132477	2668	68875	2614	76859
Chrome Ore Conc.	tonne	30465	735433	204	3104	-	-

(contd)

FOREIGN TRADE

Table-1 (contd)

		(Value in ₹'000)					
Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Chrome Ore Lumps	tonne	-	-	-	-	11	12851
Clay (Others)	tonne	50365	476744	45346	402787	49635	361745
Coal(Ex Lignite)	000't	1045	5929549	2943	5736794	1314	11233701
Coal Gas	tonne	-	-	-	-	++	2
Coal:Lignite	000't	3	319838	2	234709	1	203336
Cobalt Ores & Conc.	tonne	2	9478	-	-	-	-
Coke	tonne	111507	2383337	207412	4771075	1299461	41017403
Copper Ores & Conc.	tonne	212659	20450948	82463	7689376	34827	3964549
Corundum (Natural)	tonne	-	-	62	137	89	241
Diamond		**1400336074		**1258209200		** 1893641728	
Diamond (Mostly Cut)		**1399742298		**1257345848		** 1892188684	
Diamond (Industrial)	Crt	7410678	387188	7015880	688082	12125962	1162179
Diamond Powder	000 crt	8650	206588	10628	175270	13991	290865
Diatomite	tonne	4302	72842	3240	69439	1964	58544
Dolomite	tonne	91431	349684	95892	349090	113380	391843
Earth Clay	tonne	2652	18037	3881	22220	3775	53782
Emerald (Cut & Uncut): Total		** 17387875		** 5316603		** 10808861	
Emerald (Uncut)	tonne	34	60040	++	45741	5945	10596194
Emerald (Cut)	000 crt	21960	17327835	4076	5270862	++	212667
Felspar (Natural)	tonne	640709	3225696	705280	3931135	763219	4194510
Felspar (Cut & Uncut): Total		** 203185		** 198059		** 254062	
Felspar (Uncut)	tonne	76	20001	24	30923	33	22261

(contd)

FOREIGN TRADE

Table-1 (contd)

		(Value in ₹'000)					
Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Felspar (Cut)	000 crt	25483	183184	10839	167136	16944	231801
Fire Clay	tonne	5172	41898	5324	43606	4473	45578
Flint	tonne	1195	8014	406	2953	570	5837
Fluorspar	tonne	1368	51562	474	22436	844	43463
Garnet (Abrasive)	tonne	74697	1254539	76799	1265586	81270	1433741
Garnet (Cut And Uncut): Total		**	366806	**	280824	**	378455
Garnet (Uncut)	tonne	134	33736	111	20194	29	19303
Garnet (Cut)	000 crt	42177	333070	76049	260630	12258	359152
Granite : Total	tonne	6678131	102248504	7522159	113279766	7572368	126460352
Granite (Crude Or Roughly Trimmed)	tonne	4015876	30475234	4705266	32700873	4290170	35806960
Granite (Cut Blocks/Slabs)	tonne	698624	8397611	674353	8810152	895870	11084741
Granite (Polished Blocks/Tiles)	tonne	190023	4577912	240445	5969769	241062	5419911
Granite (Others)	tonne	1773608	58797747	1902095	65798972	2145266	74148740
Graphite (Natural)	tonne	607	32629	716	42994	764	46963
Gypsum	tonne	151722	578922	213061	723888	220634	765738
Iron Ore: Total	000't	36625	186092710	57723	362556021	26494	241480427
Iron Ore Conc: Non Agglomerated	000't	153	559743	363	1781069	100	669724
Iron Ore: Fines	000't	22374	83422738	40661	215190641	14570	83677314
Iron Ore: Lumps	000't	1480	8779976	2239	13118637	433	1876849
Iron Ore Pellates	000't	12618	93305204	14460	132419634	11391	155225838
Iron Ore Pyrites	000't	++	25049	++	46040	++	30702

(contd)

FOREIGN TRADE

Table-1 (contd)

		(Value in ₹'000)					
Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Kaolin	tonne	431536	1929478	287260	1610489	339591	2398327
Kieselguhr	tonne	113	2399	27	917	28	516
Kyanite	tonne	143	2627	252	9033	1655	15376
Lead Ores & Conc.	tonne	3	202	9	1076	12	1595
Limestone	tonne	3760402	4656567	3528973	42939083	12160342	4551537
Magnesite : Total	tonne	5453	147073	5477	171020	5384	173809
Magnesia (Fused)	tonne	55	2691	41	863	2	585
Magnesite (Not Calcined)	tonne	75	1632	220	5202	436	11483
Magnesite (Calcined)	tonne	35	1111	100	2102	117	5014
Magnesite:Dead-Burnt Magnesia	tonne	684	10665	2	93	208	6829
Magnesium Oxide	tonne	2152	103450	1646	119899	1886	110791
Magnesite (Other)	tonne	2452	27524	3468	42861	2735	39107
Manganese Ore: Total	tonne	58198	254643	82363	974940	113606	588189
Manganese Ore	tonne	5	299	10	330	21	1059
(46% Or More Mn)							
Manganese Ore (35% Or	tonne	8987	137409	40108	698245	18379	321424
More But Below 46% Mn)							
Manganese Ore (30% Or	tonne	-	-	20200	214707	-	-
More But Below 35% Mn)							
Manganese Ore (Ferruginous,	tonne	-	-	-	-	24570	59450
10 % Or More But Below 30%)							
Manganese Ore (Others)	tonne	49206	116935	22045	61658	70636	206256

(contd)

FOREIGN TRADE

Table-1 (contd)

		(Value in ₹'000)					
Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Marble : Total	tonne	310613	9010909	295085	10082272	324267	11352007
Marble (Dressed)	tonne	182976	2969818	148619	2115113	158060	2361734
Marble (Others)	tonne	127637	6041091	146466	7967159	166207	8990273
Mica: Total	tonne	116854	4909143	144121	5733785	151706	6594832
Mica (Unmanufactured): Total	tonne	115652	3719906	143291	4724093	150805	5113041
Mica (Blocks)	tonne	2754	359574	1870	354192	1469	390254
Mica (Condenser Films)	tonne	120	6098	13	239	-	-
Mica (Powder)	tonne	73525	2295741	84031	2811539	110005	3535632
Mica (Splittings)	tonne	20037	474627	28810	753109	23581	672270
Mica (Waste & Scrap)	tonne	19216	583866	28567	805014	15750	514885
Mica (Worked): Total	tonne	1202	1189237	830	1009692	901	1481791
Mica (Bricks)	tonne	++	227	1	115	++	512
Mica (Cond. Films, Plates, Cuts Nes)	tonne	59	11326	32	18288	44	14811
Mica (Sheets & Strips)	tonne	18	98173	19	115884	11	94814
Mica (Washers & Discs)	tonne	9	19564	7	14057	4	23513
Mica Worked (Others)	tonne	1069	1053548	758	857896	823	1338217
Micanite & Other Built-Up Mica	tonne	47	6399	13	3452	19	9924
Molybdenum Ores & Conc.	tonne	3	3023	45	43181	++	120
Natural Gas	tonne	52408	2202387	17992	658242	3	883
Nickel Ores & Conc.	tonne	++	++	-	-	20	5183
Niobium Or Tantalum Ores & Conc.	tonne	361	943	++	217	++	18

(contd)

FOREIGN TRADE

Table-1 (contd)

(Value in ₹'000)

Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Ochre: Total	tonne	2934	72045	4126	71626	6085	103351
Ochre: Earth Colours	tonne	1964	23594	3276	44387	5159	63310
Ochre:Yellow Ochre	tonne	263	11339	212	9000	153	7416
Persian Red	tonne	++	1	13	1666	-	-
Red Oxide	tonne	707	37111	625	16573	773	32625
Precious & Semi-Precious		**	12083066	**	23463605	**	50616826
Stones (Cut & Uncut):Total							
Precious & Semi Precious	tonne	2194	822702	2250	1300940	7420	31012547
Stones (Uncut)							
Precious & Semi Precious	000 crt	2617919	11260364	1300016	22162665	1291573	19604279
Stones cut							
Preciuos Metal Ores &	kg	-	-	260175	5435	26253	1265
Concentrates							
Quartz And Quartzite: Total	tonne	944041	6087293	772127	6213690	965159	7559270
Quartz (Natural)	tonne	768686	4685362	692520	5289217	863212	6770721
Quartzite (Natural)	tonne	175355	1401931	79607	924473	101947	788549
Rock Phosphate	tonne	257	2015	825	5602	540	11316
Salt (Other Than Common Salt)	tonne	11681705	13681149	8260913	10571743	8863780	13393717
Sand (Excl. Metal Bearing)	tonne	1894	32610	1178	13630	619	17107
Sandstone	tonne	795763	10434171	794445	11220825	691771	11282294
Silica Sand	tonne	2391	14934	43061	63008	825	4928
Sillimanite	tonne	1025	14961	4998	94359	3120	64355
Slate : Total	tonne	61143	1983349	66335	2453970	68569	2733090

(contd)

FOREIGN TRADE

Table-1 (concl'd)

		(Value in ₹'000)					
Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Slate (Worked)	tonne	10751	922884	13975	1250220	18913	1526699
Slate (Others)	tonne	50392	1060465	52360	1203750	49656	1206391
Steatite : Total	tonne	250649	3583316	283303	4364076	324593	5201974
Steatite Blocks	tonne	180	4393	468	8525	292	5970
Steatite Lumps	tonne	71309	978177	107566	1744449	136104	2316878
Steatite Powder & Others	tonne	179160	2600746	175269	2611102	188197	2879126
Sulphur (Exc. Sublimed Precipitated & Colloidal)	tonne	802175	3872834	802713	4328627	1290620	21010532
Tin Ores & Conc.	tonne	++	1	-	-	-	-
Titanium Ores & Conc.: Total	tonne	246203	4995763	246534	5348323	215910	6155343
Titanium Ores & Conc.(Ilmenite)	tonne	246179	4992946	246534	5348321	215857	6148952
Titanium Ores & Conc.(Rutile)	tonne	16	2000	++	2	52	6239
Titanium Ores & Conc.(Others)	tonne	8	817	-	-	1	152
Tungsten Ores & Conc.	tonne	-	-	-	-	13	7139
Vanadium Ores & Conc.	tonne	10	10801	-	-	-	-
Vermiculite	tonne	634	7902	853	11573	1263	21780
Witherite	tonne	++	156	++	104	++	128
Wollastonite	tonne	14582	298591	13716	311809	11705	282266
Zinc Ores & Conc.	tonne	317	15828	399	20716	1762	46757
Zirconium Ores & Conc.	tonne	1	78	++	21	++	180
Other Minerals Nes	tonne	3643829	4587040	3842874	4244574	3419980	5523312

Source: DGCI & S, Kolkata

P: Provisional

++: Negligible, -: Nil

**: Quantity not additive

FOREIGN TRADE

**Table – 2: Value of Exports of Ores & Minerals (including re-exports), 2019-20 to 2021-22
(By Principal Ores & Minerals)**

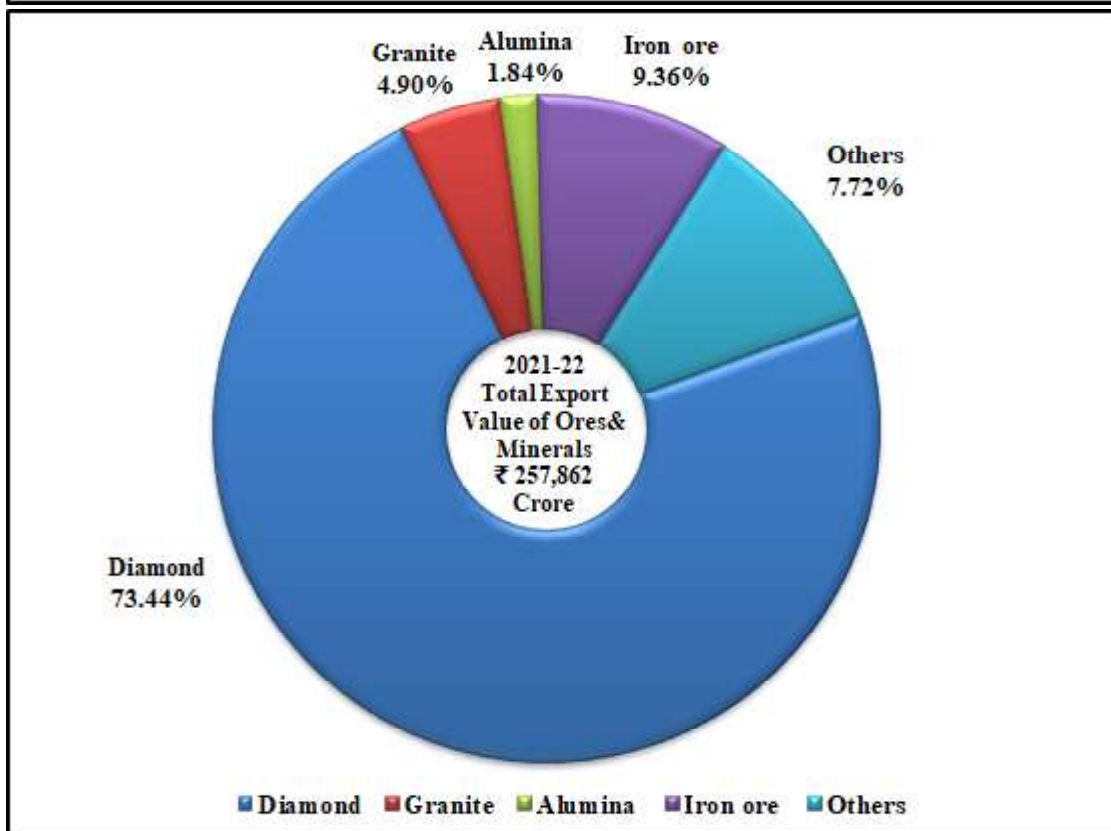
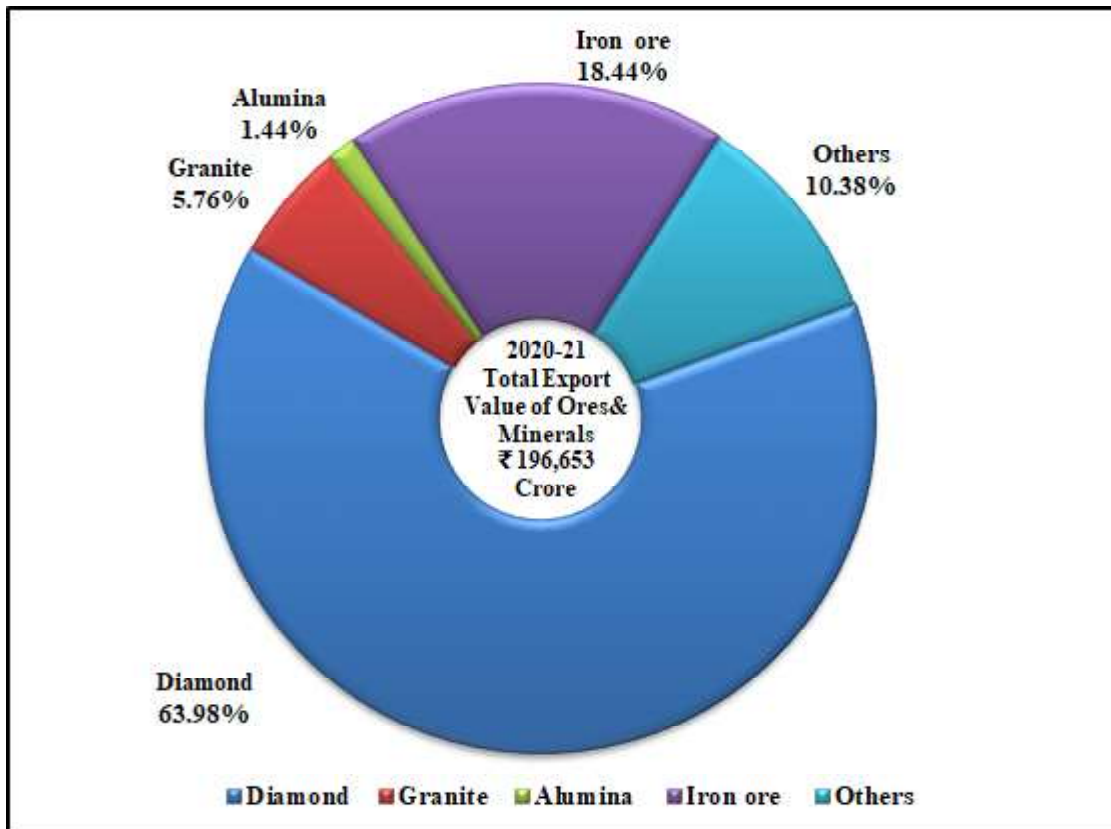
Ores & Minerals	2019-20		2020-21		2021-22 (P)		% increase (+) or decrease (-) in 2021-22 over 2020-21
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Minerals	1896831578	100	1966539540	100	2578629646	100	31.13
Diamond	1400336074	73.83	1258209200	63.98	1893641728	73.44	50.50
Iron Ore	186092710	9.81	362556021	18.44	241480427	9.36	-33.40
Granite	102248504	5.39	113279766	5.76	126460352	4.90	11.64
Precious & Semi-precious Stones (cut & Uncut):total	12083066	0.64	23463605	1.19	50616826	1.96	115.72
Alumina	30900409	1.63	28280781	1.44	47334417	1.84	67.37
Coke	2383337	0.13	4771075	0.24	41017403	1.59	759.71
Building And Monumental Stones Nes	15692854	0.83	24200968	1.23	24912268	0.97	2.94
Sulphur (exc. Sublimed Precipitated & Colloidal)	3872834	0.20	4328627	0.22	21010532	0.81	385.39
Salt (Other Than Common Salt)	13681149	0.72	10571743	0.54	13393717	0.52	26.69
Marble	9010909	0.48	10082272	0.51	11352007	0.44	12.59
Sandstone	10434171	0.55	11220825	0.57	11282294	0.44	0.55
Coal(ex Lignite)	5929549	0.31	5736794	0.29	11233701	0.44	95.82
Barytes	12896670	0.68	6261470	0.32	11075666	0.43	76.89
Emerald (cut & Uncut)	17387875	0.92	5316603	0.27	10808861	0.42	103.30
Quartz And Quartzite	6087293	0.32	6213690	0.32	7559270	0.29	21.66
Mica	4909143	0.26	5733785	0.29	6594832	0.26	15.02
Titanium Ores & Conc.	4995763	0.26	5348323	0.27	6155343	0.24	15.09
Bentonite	5674970	0.30	5215656	0.27	5850483	0.23	12.17
Other Minerals Nes	4587040	0.24	4244574	0.22	5523312	0.21	30.13
Steatite	3583316	0.19	4364076	0.22	5201974	0.20	19.20
Limestone	4656567	0.25	42939083	2.18	4551537	0.18	-89.40
Felspar (natural)	3225696	0.17	3931135	0.20	4194510	0.16	6.70
Copper Ores & Conc.	20450948	1.08	7689376	0.39	3964549	0.15	-48.44
Slate	1983349	0.10	2453970	0.12	2733090	0.11	11.37
Kaolin	1929478	0.10	1610489	0.08	2398327	0.09	48.92
Garnet (abrasive)	1254539	0.07	1265586	0.06	1433741	0.06	13.29
Bauxite	1421269	0.07	951442	0.05	1005256	0.04	5.66
Gypsum	578922	0.03	723888	0.04	765738	0.03	5.78
Ball Clay	398714	0.02	410109	0.02	664037	0.03	61.92
Borax	359860	0.02	414601	0.02	656472	0.03	58.34
Other Minerals	7784600	0.41	4750007	0.24	3756976	0.15	-20.91

P: Provisional

Source: DGCI & S, Kolkata

FOREIGN TRADE

Value of Exports of Ores & Minerals 2020-21 and 2021-22
(By Principal Ores & Minerals)



FOREIGN TRADE

**Table - 3 : Value of Exports of Ores & Minerals (including re-exports), 2019-20 to 2021-22
(By Principal Countries)**

Ores & Minerals	2019-20		2020-21		2021-22 (P)		% increase (+) or decrease (-) in 2021-22 over 2020-21
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Countries	1896831578	100	1966539540	100	2578629646	100	31.13
USA	528711991	27.87	493499087	25.09	775283196	30.07	57.10
Hong Kong	470206976	24.79	447951892	22.78	522968433	20.28	16.75
China	219411030	11.57	380077162	19.33	269437808	10.45	-29.11
Belgium	151255522	7.97	96560613	4.91	199900233	7.75	107.02
UAE	114164809	6.02	104335194	5.31	179559328	6.96	72.10
Israel	64807168	3.42	61431650	3.12	107492020	4.17	74.98
Thailand	45600085	2.40	47659389	2.42	85463819	3.31	79.32
Japan	44424844	2.34	42054415	2.14	37666712	1.46	-10.43
UK	22863008	1.21	26731073	1.36	36373510	1.41	36.07
Vietnam	13629494	0.72	16797196	0.85	25418876	0.99	51.33
Italy	8155826	0.43	6717453	0.34	24405274	0.95	263.31
Bangladesh	17208196	0.91	55737626	2.83	22420438	0.87	-59.78
Indonesia	4663874	0.25	9845335	0.50	19256998	0.75	95.60
Korea Rep of	16181300	0.85	14650431	0.74	18673345	0.72	27.46
Oman	6063245	0.32	12308820	0.63	17560103	0.68	42.66
Botswana	8709480	0.46	9889759	0.50	17209700	0.67	74.02
Australia	10290892	0.54	10907001	0.55	16985203	0.66	55.73
South Africa	3266621	0.17	3680561	0.19	15344009	0.60	316.89
France	7464099	0.39	6279841	0.32	15284936	0.59	143.40
Malaysia	14263474	0.75	11498522	0.58	13864237	0.54	20.57
Germany	8388465	0.44	8452053	0.43	13757661	0.53	62.77
Nepal	11736648	0.62	10092486	0.51	13236890	0.51	31.16
Switzerland	9128473	0.48	4955789	0.25	9863912	0.38	99.04
Canada	5942188	0.31	6324114	0.32	9828951	0.38	55.42
Singapore	15283658	0.81	6303074	0.32	8125303	0.32	28.91
Saudi Arabia	8755015	0.46	8618105	0.44	8119577	0.31	-5.78
Poland	3323492	0.18	4179084	0.21	7895620	0.31	88.93
Netherlands	2248225	0.12	3266707	0.17	7244455	0.28	121.77
Turkey	9766260	0.51	4371213	0.22	6605758	0.26	51.12
Brazil	1581689	0.08	5207377	0.26	6227607	0.24	19.59
Egypt	4753153	0.25	4161003	0.21	5870241	0.23	41.08
Qatar	3057265	0.16	4047316	0.21	5467328	0.21	35.09
Taiwan	6259954	0.33	3637479	0.18	5123655	0.20	40.86
Bhutan	2140556	0.11	2389754	0.12	4082048	0.16	70.81
Philippines	401670	0.02	273903	0.01	3358161	0.13	1126.04
Croatia	459963	0.02	424795	0.02	2937756	0.11	591.57
Spain	2662435	0.14	1780286	0.09	2531040	0.10	42.17
Russia	1523221	0.08	1470036	0.07	2468849	0.10	67.94
Baharain	947010	0.05	2866324	0.15	2374401	0.09	-17.16
Romania	497873	0.03	536699	0.03	2317998	0.09	331.90
Sri Lanka	1537180	0.08	1269968	0.06	2087422	0.08	64.37
Kuwait	2055959	0.11	1690266	0.09	1526007	0.06	-9.72
Ireland	1034946	0.05	1224230	0.06	1517793	0.06	23.98
Algeria	1434302	0.08	1818974	0.09	1498228	0.06	-17.63
Libya	1736427	0.09	938054	0.05	1354887	0.05	44.44
Other Countries	18833617	0.99	17627431	0.90	22639920	0.88	28.44

*P: Provisional**Source: DGCI&S, Kolkata*

FOREIGN TRADE

Metals & Alloys

The value of exports (including re-exports) of metals & alloys at ₹ 3,47,457 crore in the year 2021-22 registered an increase of 67.67% as compared to ₹ 2,07,222 crore in the previous year. The contribution of metals & alloys in the total value of India's exports was 11.04% during the year under review.

Iron & steel with a share of 58.54% continued to hold the top position in the value of metals/alloys exported from India in 2021-22. Aluminium and alloys including scrap is in the second place and accounted for 22.79% value. Ferroalloys and copper & alloys (including brass & bronze) occupied the third & fourth place with a contribution of 7.81% and 4.93%, respectively. The contributions of zinc & alloys including scrap and silver were 2.15% and 1.04% pig & cast iron (incl. speigeliessen) and lead & alloy including scrap were 1.42% & 1.16% respectively. The individual share of other remaining metals and alloys was less than one per cent.

As compared to previous year, the value of exports for different important metals had shown a mixed trend in 2021-22. The export value of Iron and Steel registered a huge spike of 814.49%, Aluminium and alloys incl. Scrap (211.29%), Ferralloys (145.78%), Copper & alloys (incl. Brass & Bronze) (126.84%), Zinc & Alloys incl. Scrap (112.35%), However, the export values showed significant negative growth during 2021-22 as compared to that of the previous year in the cases of Other Metals and Alloys (97.54%), Molybdenum &

Scrap (89.29%), Titanium & Alloys (incl. Waste & Scrap) (12.97%).

India exported metals & alloys to various countries in 2021-22. Bulk of the metals and alloys having share of more than 1% to the total value were exported to 29 countries. These countries together accounted for 90.04% of the total value of exports during 2021-22. USA led the group with a share of 10.77% followed by China (8.62%), Italy (6.27%), Republic of Korea (5.75%), UAE (5.74%), Turkey (5.35%), Vietnam (4.62%) and Belgium (4.07%). The individual share is less than four per cent in respect of the remaining countries.

The countries that have recorded significant increase in value of exports of metals & alloys during the year 2021-22 are Croatia (4725.01%), Turkey (493.87%), Egypt (247.05%), Greece (224.84%), Netherlands (185.53%), South Africa (165.15%) and Poland (164.71%).

On the other hand, decline in the value of exports of metals & alloys was observed in Malaysia only (59.68%), during the year under review (Tables - 4 to 6).

Value of exports of selected Mineral-based products at ₹ 3,39,459 crore in the year 2021-22 registered an increase of 108.16% as compared to that of ₹ 1,63,069 crore in the previous year.

Exports of selected mineral-based products during 2019-20 to 2021-22 are furnished in Table -7.

Table-4 : Exports of Metals and Alloys 2019-20 to 2021-22

		(Value in ₹ '000)					
Metals & Alloys	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Metals & Alloys		**	1660987438	**	2072220863	**	3474571089
Aluminium And Alloys Incl. Scrap	tonne	2371062	361046684	2735588	427759670	3454121	791688112
Antimony Alloys And Scrap	tonne	2217	927375	2134	932922	1918	1507988
Bismuth & Scrap	tonne	++	1053	++	2528	11	45115

FOREIGN TRADE

Table-4 (contd)

(Value in ₹ '000)

Metals & Alloys	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Boron	tonne	++	91	5	525	++	6093
Cadmium (Incl. Waste & Scrap)	tonne	268	35680	208	24971	169	23278
Copper (Cement Copper Precipitated)	tonne	++	367	4	1066	501	25047
Chromium & Alloys	tonne	157	112563	168	119489	284	229068
Cobalt & Alloys(Incl Waste And Scrap): Total	tonne	105	220380	340	364327	1340	895452
Cobalt & Alloys	tonne	87	199965	340	364006	1309	812402
Cobalt & Scrap	tonne	18	20415	++	321	31	83050
Copper & Alloys (Incl. Brass & Bronze): Total	tonne	140857	60527102	209332	102064524	246963	171342596
Brass & Bronze	tonne	50669	21447989	61018	30956169	56963	41245793
Brass & Bronze (Scrap)	tonne	1064	312010	1484	511456	2020	1002659
Copper & Alloys	tonne	81388	35989492	139540	67619065	169736	120781592
Copper (Scrap)	tonne	7736	2777611	7290	2977834	18244	8312552
Ferro Alloys : Total	tonne	1715919	118100709	1843322	127735114	2537463	271246477
Ferro-Boron	tonne	51	11143	39	9728	33	11024
Ferro-Chrome	tonne	732431	48794984	720539	49939983	753389	76899138
Ferro-Cobalt	tonne	++	75	++	29	++	250
Ferro-Columbium	tonne	1	2901	++	1522	1	1787
Ferro-Manganese	tonne	262265	19796179	335229	23997006	638850	74044066
Ferro-Molybdenum	tonne	129	146529	279	324540	324	529440
Ferro-Nickel	tonne	++	197	77	65052	1	2822
Ferro-Niobium	tonne	26	52730	14	25114	25	69528
Ferro-Phosphorous	tonne	80	10878	77	11038	156	16804
Ferro-Selenium	tonne	++	1365	++	979	5	3653
Ferro-Silicon	tonne	18754	1601611	11236	1194260	19567	3246485
Ferro-Titanium	tonne	3227	678896	2553	567131	1860	689076
Ferro-Tungsten	tonne	++	1223	++	1150	1	4368
Ferro-Vanadium	tonne	531	883571	240	346840	168	353217
Ferro-Zirconium	tonne	5	2914	3	1644	16	7127
Ferro Silico-Chrome	tonne	3	638	32	12095	20	8932
Ferro-Silico-Magnesium	tonne	7153	770985	4192	483234	6407	1098652

(contd)

FOREIGN TRADE

Table-4 (contd)

(Value in ₹ '000)

Metals & Alloys	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Ferro Silico-Manganese	tonne	682846	44374533	764747	50326047	1112950	113600728
Ferro-Alloys (Others)	tonne	8417	969357	4065	427722	3690	659380
Gold (Non-Monetary & Monetary): Total	kg	1730	5742699	4191	18895717	126	463986
Gold-Monetary	kg	-	-	++	25	-	-
Gold-Nonmonetary: Total	kg	1730	5742699	4191	18895692	126	463986
Gold,Non-Monetary, Other Unwrought Forms	kg	1575	5300969	4191	18894458	114	423280
Gold,Non-Monetary, Powder	kg	-	-	++	16	++	565
Gold,Non-Monetary:Other	kg	155	441730	++	1218	12	40141
Semimanufactured forms							
Gold-Clad Metals/Base	tonne	++	19	++	306	++	770
Metals Nes							
Iron & Steel : Total		**	1019955563	**	1225105321	**	2034353812
Iron & Steel (Finished Steel Inc. Cr Sheet)	tonne	4631222	309262120	6108963	358432755	6798430	607736761
Iron & Steel (Semi-Finished Steel Incl. Stl Ingo)	tonne	7957507	320684584	12577510	480956813	13492292	874972590
Iron & Steel (Steel Wire)	tonne	159597	23911264	169631	25750975	250944	48353501
Iron & Steel (Sponge Iron)	tonne	898475	17286760	524566	11248671	789189	25256226
Iron & Steel (Scrap)	tonne	11876	688320	25613	649151	11492	941199
Iron & Steel: Alloy Steel (Granules)	tonne	484	29004	422	29056	678	45269
Iron & Steel: Alloy Steel (Powder)	tonne	68	9067	4	1760	129	66798
Iron & Steel (Other Finished Steel, Nes)		**	339926285	**	340587784	7294134	464631364
Iron & Steel Material	tonne	84891	4478671	70062	4250996	92907	7905836
Iron & Steel (Stainless Steel)	tonne	8181	3679488	12889	3197360	16901	4444268
Lead And Alloys Incl. Scrap: Total	tonne	174939	26422498	176601	25845466	229864	40542449
Lead & Alloys	tonne	174936	26421811	176569	25841849	229727	40523557
Lead & Scrap	tonne	3	687	32	3617	137	18892
Magnesium & Scrap	tonne	2373	294359	1266	143710	7269	1314210
Manganese & Alloys (Incl Waste & Scrap): Total	tonne	418	343896	469	375616	616	631089
Manganese Waste & Scrap	tonne	24	5916	32	9094	48	24712
Manganese & Alloys: (Wrought & Unwrought)	tonne	136	119131	188	106409	288	307908
Manganese & Alloys Nes	tonne	258	218849	249	260113	280	298469
Mercury	tonne	58	312409	42	184648	18	99467
Molybdenum & Scrap	tonne	82	122342	119	182537	365	342257

FOREIGN TRADE

Table-4 (concl'd)

(Value in ₹ '000)

Metals & Alloys	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Nickel And Alloys	tonne	16890	6532327	2937	4147078	5893	9407073
Incl. Scrap: Total							
Nickel & Alloys	tonne	15634	5830642	2269	3763280	4199	8103812
Nickel Scrap	tonne	1256	701685	668	383798	1694	1303261
Other Rare Metals Nes	tonne	++	20064	++	366	3	16304
Pig & Cast Iron	tonne	440432	10737676	1123792	30155194	1250907	49495194
(Incl. Speigeliessen)							
Platinum Alloys	kg	604	1681684	616	3535012	1194	4795081
& Related Metals: Total							
Platinum (Powder, Unwrought & Others)	kg	259	524194	507	552422	869	917208
Other Metals Of Platinum Group	kg	345	1157490	109	2982590	325	3877873
Platinum - Clad Base /Precious Metal	kg	-	-	700	50	70	6
Precious Metals / Metals	tonne	1054	4499703	3827	13371985	3045	12713613
Clad With Precious Metals							
Selenium	tonne	18	46422	40	43423	39	81781
Silicon	tonne	175	19030	159	23239	365	119140
Silver	tonne	30	680127	615	33934966	89	3633631
Silver Clad Base Metals	kg	3898	12268	6026	23892	2979	14664
Tantalum & Scrap: Total	tonne	3	40266	5	55163	6	80552
Tantalum Alloys Unwrought	tonne	3	37811	5	54121	3	40332
Tantalum & Scrap	tonne	++	2455	++	1042	3	40220
Tellurium	tonne	++	122	++	37	++	17
Tin & Alloys Incl. Scrap: Total	tonne	944	740863	750	784385	1191	1494894
Tin & Alloys	tonne	681	694813	570	731861	721	1432470
Tin & Alloys : Worked	tonne	263	46041	178	51368	469	62201
Tin (Scrap)	tonne	++	9	2	1156	1	223
Titanium & Alloys	tonne	486	546039	253	443579	131	386027
(Incl. Waste & Scrap)							
Tungsten Alloys & Scrap	kg	313499	870314	292331	835275	1209171	2600160
Zinc And Alloys	tonne	212702	40372945	300018	55103971	283204	74950497
Incl. Scrap: Total							
Zinc & Alloys	tonne	212592	40361623	299936	55094321	283200	74949996
Zinc (Scrap)	tonne	110	11322	82	9650	4	501
Zirconium & Scrap	tonne	++	21799	++	24791	3	25189

Source: DGCI & S, Kolkata

P: Provisional

FOREIGN TRADE

**Table-5 : Value of Exports of Metals and Alloys, 2019-20 to 2021-22
(By Principal Metals & Alloys)**

Metals & Alloys	2019-20		2020-21		2021-22 (P)		% increase (+) or decrease (-) in 2021-22 over 2020-21
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Metals & Alloys	1660987438	100	2072220863	100	3474571089	100	67.67
Iron & Steel	1019955563	61.41	1225105321	59.12	2034353812	58.55	66.06
Aluminium And Alloys Incl. Scrap	361046684	21.74	427759670	20.64	791688112	22.79	85.08
Ferro Alloys	118100709	7.11	127735114	6.16	271246477	7.81	112.35
Copper & Alloys (incl. Brass & Bronze)	60527102	3.64	102064524	4.93	171342596	4.93	67.88
Zinc And Alloys Incl. Scrap	40372945	2.43	55103971	2.66	74950497	2.16	36.02
Pig & Cast Iron (incl. Speigeliessen)	10737676	0.65	30155194	1.46	49495194	1.42	64.13
Lead And Alloys Incl. Scrap	26422498	1.59	25845466	1.25	40542449	1.17	56.86
Precious Metals / Metals Clad With Precious Metals	4499703	0.27	13371985	0.65	12713613	0.37	-4.92
Nickel And Alloys Incl. Scrap	6532327	0.39	4147078	0.20	9407073	0.27	126.84
Platinum Alloys & Related Metals	1681684	0.10	3535012	0.17	4795081	0.14	35.65
Silver	680127	0.04	33934966	1.64	3633631	0.10	-89.29
Tungsten And Alloys Incl. Scrap	870314	0.05	835275	0.04	2600160	0.07	211.29
Antimony Alloys And Scrap	927375	0.06	932922	0.05	1507988	0.04	61.64
Tin And Alloys Incl. Scrap	740863	0.04	784385	0.04	1494894	0.04	90.58
Magnesium & Scrap	294359	0.02	143710	0.01	1314210	0.04	814.49
Cobalt & Alloys (incl Waste And Scrap)	220380	0.01	364327	0.02	895452	0.03	145.78
Manganese & Alloys (incl Waste & Scrap)	343896	0.02	375616	0.02	631089	0.02	68.01
Gold (non-monetary & Monetary):total	5742699	0.35	18895717	0.91	463986	0.01	-97.54
Titanium & Alloys (incl. Waste & Scrap)	546039	0.03	443579	0.02	386027	0.01	-12.97
Molybdenum & Scrap	122342	0.01	182537	0.01	342257	0.01	87.50
Other Metals And Alloys	622153	0.04	504494	0.02	766491	0.02	51.93

P: Provisional

Source: DGCI & S, Kolkata

FOREIGN TRADE

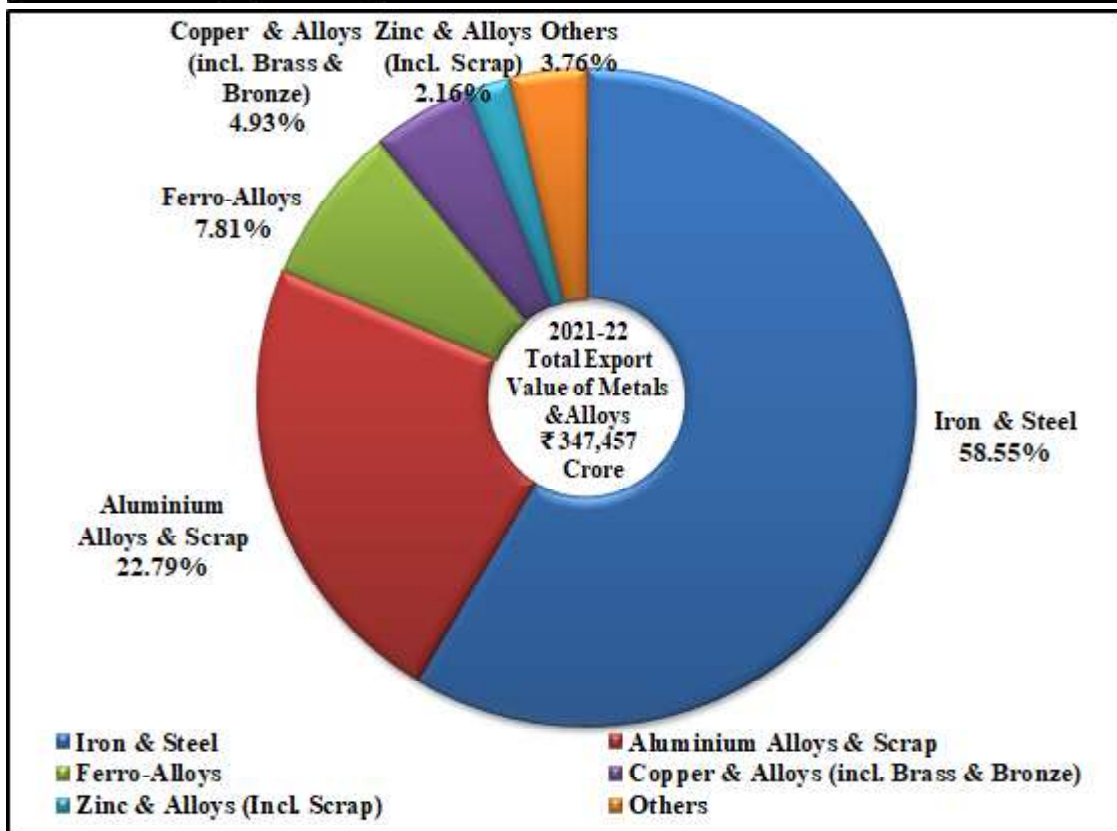
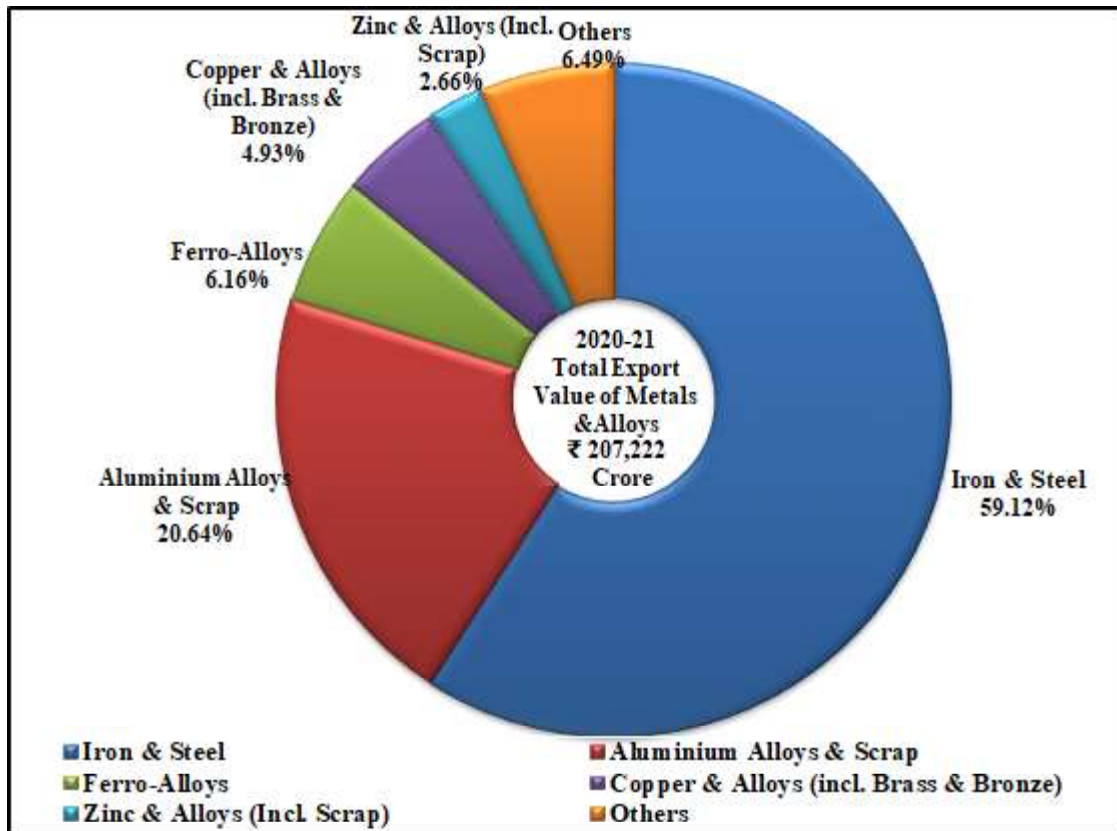
**Table-6 : Value of Exports of Metals and Alloys, 2019-20 to 2021-22
(By Principal Countries)**

Country	2019-20		2020-2021		2021-22 (P)		% increase (+) or decrease (-) in 2021-22 over 2020-21
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Countries	1660987438	100	2072220863	100	3474571089	100	67.67
USA	183309784	11.04	181147665	8.74	374045858	10.77	106.49
China	74601591	4.49	282137796	13.62	299643455	8.62	6.20
Italy	74776642	4.50	88655244	4.28	217854671	6.27	145.73
Korea	104730742	6.31	117726820	5.68	199604000	5.74	69.55
UAE	99533217	5.99	94721649	4.57	185822430	5.35	96.18
Turkey	15187741	0.91	27009450	1.30	160402261	4.62	493.87
Vietnam	87603977	5.27	89994420	4.34	141424098	4.07	57.15
Belgium	41428319	2.49	50892573	2.46	131252203	3.78	157.90
Nepal	88483203	5.33	86311070	4.17	123997053	3.57	43.66
Netherlands	28229925	1.70	29377804	1.42	83882891	2.41	185.53
UK	34404603	2.07	67194772	3.24	77293537	2.22	15.03
Taiwan	36440572	2.19	46133098	2.23	74803461	2.15	62.15
Germany	43590629	2.62	42938548	2.07	72966621	2.10	69.93
Spain	28551673	1.72	32978681	1.59	72721171	2.09	120.51
Bangladesh	46545576	2.80	41676869	2.01	67615713	1.95	62.24
Thailand	33538503	2.02	42712830	2.06	65156296	1.88	52.55
Indonesia	24313402	1.46	34626189	1.67	63237913	1.82	82.63
Japan	28381267	1.71	29959601	1.45	61037039	1.76	103.73
Mexico	20240203	1.22	22986274	1.11	57676583	1.66	150.92
Singapore	15657027	0.94	37943474	1.83	51480652	1.48	35.68
Malaysia	113572297	6.84	125849163	6.07	50737053	1.46	-59.68
Saudi Arabia	28852422	1.74	34252627	1.65	49642855	1.43	44.93
Greece	4773947	0.29	13470442	0.65	43757201	1.26	224.84
Egypt	10833409	0.65	12579893	0.61	43658472	1.26	247.05
Poland	14585426	0.88	15982508	0.77	42308074	1.22	164.71
Sri Lanka	20424545	1.23	22297606	1.08	39020316	1.12	75.00
Brazil	20356436	1.23	24931404	1.20	38966104	1.12	56.29
Canada	30498069	1.84	31322349	1.51	38532307	1.11	23.02
South Africa	9251850	0.56	11756736	0.57	31172657	0.90	165.15
Australia	14102349	0.85	21192418	1.02	30801483	0.89	45.34
Hong Kong	5977392	0.36	12890895	0.62	30422197	0.88	136.00
Oman	19834532	1.19	25806700	1.25	28359778	0.82	9.89
Qatar	13081294	0.79	15262845	0.74	26722441	0.77	75.08
Kenya	7106422	0.43	15616109	0.75	26360428	0.76	68.80
Croatia	328378	0.02	460888	0.02	22237881	0.64	4725.01
Russia	11073961	0.67	13891831	0.67	22118352	0.64	59.22
Philippines	8697510	0.52	12534275	0.60	20023101	0.58	59.75
France	15438443	0.93	14999110	0.72	19783705	0.57	31.90
Switzerland	5839518	0.35	16039870	0.77	17451305	0.50	8.80
Portugal	5936076	0.36	8071537	0.39	14227818	0.41	76.27
Israel	6397412	0.39	6434422	0.31	14015310	0.40	117.82
Nigeria	12649001	0.76	9324379	0.45	12086096	0.35	29.62
Romania	4065640	0.24	6650468	0.32	11245203	0.32	69.09
Tanzania	4939038	0.30	7631409	0.37	10830542	0.31	41.92
Denmark	3836033	0.23	4645283	0.22	8243728	0.24	77.46
Other Countries	158987442	9.57	141200869	6.81	199928776	5.75	41.59

Source: DGCI & S, Kolkata

FOREIGN TRADE

Value of Exports of Metals and Alloys, 2020-21 and 2021-22
(By Principal Metals & Alloys)



FOREIGN TRADE

Table- 7 : Exports of Selected Mineral-based Products, 2019-20 to 2021-22

(Value in ₹ '000)

Mineral-based Product	Unit	2019-20		2020-21		2021-22(P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Item		**	2601579579	**	1630698738	**	3394598165
Aluminium Fluoride	tonne	1362	120976	2045	187158	984	24720
Asbestos Cement Products	tonne	91101	1447617	89833	1444464	116492	1876220
Asbestos Fibre Products	tonne	43298	5071610	41739	5548536	49044	6902347
Bleaching Powder	tonne	23948	677278	21509	734237	30919	931596
Boric Acid	tonne	1520	121969	1952	160749	1384	176162
Briquets Of Coke, Semi-Coke of Coal	tonne	210	1722	51	728	272	2410
Calcium Carbide	tonne	370	24367	129	11213	787	97371
Caustic Soda	tonne	187484	5453186	275516	6028001	343042	13196705
Cement : Total	tonne	2840277	9539871	2806874	8761533	1901076	6187851
Cement (Portland Grey)	tonne	1892277	6173135	1528080	4528743	995557	3314929
Cement (Portland White)	tonne	18164	176655	18384	179863	18285	177863
Cement Clinker	tonne	800076	2709413	1094051	3410629	734859	1972316
Cement (Others)	tonne	129760	480668	166359	642298	152375	722743
Cryolite And Chiolite	tonne	52	4296	149	8467	126	12127
Graphite (Artificial)	tonne	24745	3555899	21744	2820004	28218	4090984
Graphite Bricks & Shapes	tonne	95	5141	515	8408	59	4099
Graphite Crucibles	tonne	20	2256	416	28081	397	49894
Hydrofluoric Acid	tonne	2474	237996	1931	164258	1325	132129
Manganese Oxide: Total	tonne	28485	1382052	29116	1357914	21148	986863
Manganese Dioxide	tonne	11412	549640	4476	227849	5297	258822
Manganese Oxides (other than Mn Dioxide)	tonne	17073	832412	24640	1130065	15851	728041
Non-Ferrous Ash & Residues	tonne	417955	1739634	319494	514364	278914	2224341
Non-Ferrous Ash & Residues	tonne	415378	1707211	317963	491875	276905	2172866
Non-Ferrous Base Metals Scrap	tonne	2577	32423	1531	22489	2009	51475
Other Refractory Manufactures	tonne	37658	5065199	64780	6895845	551138	8958764
Petroleum Products: Total*	000'tonne	65685	2540180000	56769	1571680000	62713	3316150000
Phosphoric Acid	tonne	2630	196837	460	50475	9187	1228169
Phosphorus (Elemental)	tonne	650	256687	583	246040	627	362922
Phosphoric Fertilizers	tonne	172	13729	385	15631	428	16776
Potash Fertilizer	tonne	29565	1014818	26583	673799	5877	209314
Potassium Nitrate	tonne	985	168082	827	165914	917	187910
Refractory Bricks	tonne	226260	14825818	291949	13735641	830258	13283270
Silicon Carbide Crucibles	tonne	3023	690399	3728	624851	30137	888930
Slag Dross Etc. From Iron & Steel Exc. Granu	tonne	131880	702416	152818	951045	289895	2753273
Soda Ash	tonne	137747	2713657	149930	2376038	250630	5373921
Sodium Nitrate	tonne	149	7890	272	10289	427	25774
Sodium Nitrite	tonne	14465	661146	15629	727353	17044	1001187
Sulphur (Sublimed precipitated & Colloidal): Total	tonne	16811	1917964	15756	1777105	17607	1941916
Sulphur (Colloidal)	tonne	0	24	0	9	0	9
Sulphur Precipitated	tonne	1	155	2	543	0	16
Sulphur Sublimed	tonne	16810	1917785	15754	1776553	17607	1941891
Titanium Oxide & Dioxide: Total	tonne	38506	3779067	28419	2990597	48003	5320220
Titanium Dioxide	tonne	6231	1065352	6481	1152120	6049	1538174
Titanium Oxides (Other Than Titanium Dioxides)	tonne	32275	2713715	21938	1838477	41954	3782046

*P: Provisional**Source: DGCI & S, Kolkata***Source: Ministry of Petroleum & Natural Gas Statistics***Quantity not additive*

IMPORTS

Ores and Minerals

The value of imports of ores & minerals in 2021-22 accounted for 33.92% of the total value of all merchandise imported into India. During 2021-22, the total value of imports of ores and minerals at ₹ 15,51,380 crore registered an increase of 96.05% as compared to ₹ 7,91,320 crore in the year 2020-21.

Petroleum (crude) continued to be the largest constituent item with a share of 58.91% in the total value of minerals imported in 2021-22. Next in order of importance were diamond with a share of 13.26%, coal (ex.lignite) with 14.75% and natural gas with 6.48%. The combined share of these four minerals was 93.40% in 2021-22 as against 93.82% in the previous year.

The value of imports of some ores & minerals in 2021-22 has increased as in the cases of Precious metal ores & Concentrates (4799.39%), Iron ore (319.05%), Copper ores & Conc (278.89%), Sulphur (exe. Sublimed Prelipited & Colloidal) (222.99%), Precious & Semi-Precious Stone (cut & uncut) : total (168.75%), as compared to that in the previous year. However imports of all the ores & minerals registered positive growth over previous year.

During 2021-22, ores and minerals were imported from various countries. Bulk of ores & minerals having share more than 1% to total value were imported from 19 countries. These 19 countries, accounted for about 88.59% of the total value of ores & minerals imported in 2021-22. Iraq occupied the top position in 2021-22 in terms of imports value and accounted for 14.61% of the total mineral imports. Next in the order was UAE with 11.89% share followed by USA (10.22%), Australia (6.94%), Nigeria (4.82%), Kuwait (3.84%), Indonesia (3.70%), Qatar (3.40%), Belgium (2.83%), South Africa (2.61%), Russia (2.43%), Oman (2.43%), Mexico (1.64%), Hong Kong (1.61%), Angola (1.31%), Brazil (1.28%), Colombia (1.13%) and Egypt (1.06%), The individual share of remaining countries was less than one per cent.

Countrywise analysis of value of imports of ores and minerals in 2021-22 revealed that imports value from Peru reported increase of about 417 times (41769%); Norway by over 19 times (1936%). The other countries which recorded significant increase in the value of imports of ores and minerals during the year were Congo PR (488%), Cameroon (334%), Ecuador (268%), China (245%) and Singapore (240%). However, imports value showed a decline in respect of Other Countries (25.74%). (Tables - 8 to 10).

Table - 8 : Imports of Ores & Minerals, 2019-20 to 2021-22

		(Value in ₹ '000)					
		2019-20		2020-21		2021-22 (P)	
Ores & Minerals	Unit	Quantity	Value	Quantity	Value	Quantity	Value
All Minerals		**	11515303006	**	7913202918	**	15513800326
Abrasives (Natural)	tonne	4234	59872	3221	55212	3718	78311
Alabaster	tonne	1040	32801	826	27872	1572	59681
Alumina	tonne	1844483	49829384	2334786	57491719	2549567	82447635
Andalusite	tonne	17618	425962	15217	428831	10419	344730
Antimony Ores And Concs.	tonne	7656	1265983	5977	1072406	4555	1499919
Arsenic Sulphide (Natural)	tonne	7	995	4	570	18	2119
Asbestos: Total	tonne	361163	12432333	308506	11851124	437511	16631390
Asbestos (Chrysotile)	tonne	360839	12422164	308100	11840174	436977	16613219
Asbestos (Others)	tonne	324	10169	406	10950	534	18171

(contd)

FOREIGN TRADE

Table-8 (contd)

(Value in ₹ '000)

Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Ballelay	tonne	126794	1115239	65828	765439	93855	1134427
Barytes	tonne	15436	427967	11691	313860	16577	523859
Bauxite	tonne	2246681	10817757	3034041	13709540	3009079	18963241
Bentonite	tonne	72618	882272	90933	1019395	142010	2131123
Borax: Total	tonne	176421	5644322	194448	6337254	223368	7973967
Natural Borate	tonne	84699	2157324	83207	2113660	101337	2910832
Sodium Borate	tonne	81531	2776165	101477	3557620	111210	4188993
Other Borates	tonne	10191	710833	9764	665974	10821	874142
Building & Monumental Stones Nes	tonne	47971	523956	16327	360034	44482	422105
Calcite	tonne	63458	302799	67643	374975	41688	290721
Chalk	tonne	105	4131	66	2661	64	2197
Chromite: Total	tonne	124693	2065047	156211	2257733	245710	4232459
Chrome Ore Others	tonne	42983	739986	73353	1015587	130179	2296377
Chrome Ore Conc.	tonne	891	24896	4013	93937	4987	126819
Chrome Ore Lumps	tonne	80819	1300165	78845	1148209	110544	1809263
Clay (Others)	tonne	20961	317309	12562	241521	14245	279441
Coal(Ex Lignite)	000' t	248545	1527478152	215260	1160506410	208636	2288189160
Coal:Lignite	000' t	1	5170	1	5746	1	9495
Cobolt Ores & Conc.	tonne	2	9253	++	325	1	6917
Coke	tonne	2912775	61067396	2463036	44821773	2501153	81047701
Copper Ores & Conc.	tonne	821555	86675247	415136	59071579	1018934	223814328
Corundum (Natural)	tonne	-	-	1	79	++	10
Diamond: Total		**	1487354319	**	1283511854	**	2056382187
Diamond (Industrial)	Crt	10427197	6024784	8725537	4362112	16457278	10785779
Diamond (Mostly Cut)		**	1479515995	**	1277251339	**	2042729864
Diamond Powder	000 crt	816431	1813540	839962	1898403	1238216	2866544
Diatomite	tonne	4950	152229	7099	212766	1787	94373
Dolomite	tonne	5539814	6555288	3505151	5075300	5510404	9682992
Earth Clay	tonne	2	343	3	450	2	247
Emerald (Cut & Uncut)		**	24403510	**	7997796	**	16560915
Emerald (Uncut)	tonne	136	13871900	49	6640030	58	14007706
Emerald (Cut)	000 crt	90367	10531610	9842	1357766	3174	2553209
Felspar (Natural)	tonne	8198	101216	13187	78978	2795	54485
Felspar (Cut & Uncut)		**	83631	**	8094	**	22005
Felspar (Uncut)	tonne	14	67870	1	3741	37	13619
Felspar (Cut)	000 crt	2142	15761	883	4353	774	8386
Fireclay	tonne	1896	100241	2326	100595	898	58418
Flint	tonne	6279	62362	9209	85170	8611	83205
Fluorspar	tonne	239589	7225937	220573	6090596	286224	7792038
Garnet (Abrasive)	tonne	391	6189	345	14712	140	1789

(contd.)

FOREIGN TRADE

Table-8 (contd)

(Value in ₹ '000)

Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Garnet (Cut And Uncut)		**	184466	**	97335	**	183591
Garnet (Uncut)	tonne	56	129065	11	64770	23	141280
Garnet (Cut)	000 crt	4969	55401	1437	32565	1299	42311
Granite : Total	tonne	56169	1846960	37304	1320021	35032	1279464
Granite (Crude Or Roughly Trimmed)	tonne	38755	1011671	25874	829212	26944	891720
Granite (Cut Blocks/Slabs)	tonne	11265	270578	7071	175377	5980	176076
Granite (Polished Blocks/Tiles)	tonne	674	24389	1501	51776	733	22736
Granite (Others)	tonne	5475	540322	2858	263656	1375	188932
Graphite (Natural)	tonne	41405	1863220	40153	1808218	54047	2651642
Gypsum & Plaster	tonne	5460746	8415195	4762012	7372934	5632758	11823817
Iron Ore: Total	000' t	1245	9409772	766	8445221	6683	35389345
Iron Ore Conc:	000' t	420	3063619	154	1484523	1446	9469224
Non-Agglomerated							
Iron Ore Fines	000' t	223	1291301	++	852	4075	15630812
Iron Ore Lumps	000' t	543	4530382	166	1800782	927	8903226
Iron Ore Pellates	000' t	54	438140	379	4612581	170	874034
Iron Ore Pyrites	000' t	5	86330	67	546483	65	512049
Kaolin	tonne	231662	3933899	237144	4431804	223127	5048415
Kieselgurh	tonne	66	9247	10	1543	++	64
Kyanite	tonne	1112	33476	1238	42080	1668	53418
Lead Ores & Concs.	tonne	3283	166725	5473	325104	5325	255224
Lime Stone	tonne	25639508	37429909	22797801	32911759	27582767	49014650
Magnesite : Total	tonne	365053	9468163	364577	7657838	510898	13106490
Magnesia (Fused)	tonne	16325	823312	25215	1135547	42306	2614441
Magnesite (Not Calcined)	tonne	63874	185153	57993	159537	136894	317688
Magnesite (Calcined)	tonne	50567	1645695	59514	919930	44231	940743
Magnesite:Dead-Burnt	tonne	160465	5018483	133034	3360002	170744	5340576
Magnesia							
Magnesium Oxide	tonne	55765	1208334	63442	1402374	67331	2067467
Magnesite (Other)	tonne	18057	587186	25379	680448	49392	1825575
Manganese Ore: Total	tonne	4316572	41282100	4058590	55242138	6500149	96424799
Manganese Ore (46% Or More Mn)	tonne	191766	3997776	182048	3156903	185816	3797474
Manganese Ore (35% Or More But Below 46% Mn)	tonne	1871739	26995931	2942210	39070738	4464163	69812534
Manganese Ore (30% Or More But Below 35% Mn)	tonne	432072	4049808	449497	3789163	929453	9970098

(contd)

FOREIGN TRADE

Table-8 (contd)

(Value in ₹ '000)

Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
More But Below 35% Mn)							
Manganese Ore (Ferruginous,	tonne	47639	394579	168371	1218726	307008	2929378
10 % Or More But Below 30%							
Manganese Ore (Others)	tonne	1773356	5844006	316464	8006608	613709	9915315
Marble : Total	tonne	951361	17923694	645253	12032307	1073654	21110673
Marble (Dressed)	tonne	900860	14764327	623229	10660272	1038849	18724997
Marble (Others)	tonne	50501	3159367	22024	1372035	34805	2385676
Mica: Total	tonne	3645	1280925	2987	1252020	3338	1319896
Mica (Unmanufactured)	tonne	1626	135689	1273	140981	1569	157461
Mica (Blocks)	tonne	218	11184	56	15557	79	12727
Mica (Powder)	tonne	535	63928	542	75765	508	61955
Mica (Splittings)	tonne	461	43169	515	43414	981	82548
Mica (Waste & Scrap)	tonne	412	17408	160	6245	1	231
Mica (Worked)	tonne	2019	1145236	1714	1111039	1769	1162435
Mica (Cond.	tonne	33	33469	53	55589	4	6768
Films, Plates, Cuts Nes)							
Mica (Washers & Discs)	tonne	++	2	++	55	++	542
Mica (Sheets & Strips)	tonne	156	32761	101	20939	238	49539
Mica (Bricks)	tonne	-	-	++	406	++	43
Mica Worked (Others)	tonne	1830	1079004	1560	1034050	1527	1105543
Molybdenum Ores & Conc.	tonne	7901	9809780	9177	8848441	9114	15470962
Natural Gas	tonne	24416607	684667281	25054872	583289424	23417029	1005206968
Nickel Ores & Concs.	tonne	++	204	37	6404	106	16165
Niobium Or	tonne	16	21764	2	489	2	488
Tantalum Ores And Concs.							
Ochre: Total	tonne	188	35754	391	82224	648	149495
Ochre: Earth Colours	tonne	152	14871	228	18018	309	45117
Ochre:Yellow Ochre	tonne	7	6286	7	6308	9	6219
Ochre: Persian Red	tonne	++	147	-	-	3	473
Ochre: Red Oxide	tonne	29	14450	156	57898	327	97686
Petroleum (Crude)	000' t	220869	7281122511	188182	4396561618	220034	9139168005
Precious & Semi-Precious		**	41191154	**	47935435	**	128825205
Stones (Cut & Uncut):Total							
Precious & Semi	tonne	2435	6169055	2024	6847282	4323	10225806
Precious Stones (Uncut)							

(contd)

FOREIGN TRADE

Table-8 (concl'd)

		(Value in ₹ '000)					
Ores & Minerals	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Precious & Semi Precious Stones Cut	000 crt	623818	35022099	432603	41088153	383623	118599399
Precious Metal	kg	273	736	10743	48509	799178	2376644
Ores & Concentrates							
Quartz & Quartzite: Total	tonne	1155	40682	1098	50333	7792	211384
Quartz (Natural)	tonne	718	9960	206	6940	1049	28661
Quartzite (Natural)	tonne	437	30722	892	43393	6743	182723
Rock Phosphate	tonne	7654867	54205952	7781423	53709109	9659818	104667349
Salt (Other than Common Salt)	tonne	65263	466170	98042	645494	69549	512396
Sand, Excl. Metal Bearing	tonne	198862	502131	57812	400291	5121	348319
Sandstone	tonne	28	693	16	480	130	2691
Silica Sand	tonne	21392	218841	21356	238740	57095	527973
Sillimanite	tonne	609	10781	606	11571	801	13972
Slate	tonne	111	3818	49	3784	109	5741
Steatite : Total	tonne	5809	325939	5332	344649	9978	407255
Steatite Blocks	tonne	170	1744	-	-	2	246
Steatite Lumps	tonne	724	2205	156	501	641	2117
Steatite Powder & Others	tonne	4915	321990	5176	344148	9335	404892
Sulphur (Excl. Sublimed,Ppt. & Colloidal)	tonne	1235102	8239656	1463291	10948268	1895211	35362092
Tin Ores & Concs.	tonne	++	206	2	899	++	299
Titanium Ores & Conc.: Total	tonne	138042	3965292	78747	3440562	111653	5292058
Titanium Ores And Conc.(Ilmenite)	tonne	109771	1963147	43894	907344	77003	2326341
Titanium Ores And Conc.(Rutile)	tonne	20589	1689194	29562	2224774	22960	2479934
Titanium Ores And Conc. (Others)	tonne	7682	312951	5291	308444	11690	485783
Tripoli Earth	tonne	19	1116	-	-	19	1174
Tungsten Ores & Concs.	tonne	447	69234	121	9104	151	14800
Vanadium Ores & Others	tonne	7006	349104	999	77967	5869	436744
Vermiculite (Raw)	tonne	416	11024	696	17234	1096	25520
Witherite	tonne	7	263	++	10	-	-
Wollastonite	tonne	22616	294800	24049	370375	30625	675667
Zinc Ores & Concs.	tonne	101	2667	804	9530	720	24772
Zirconium Ores & Conc.	tonne	56166	6073420	68675	6993378	94839	11260337
Other Minerals Nes	tonne	641544	2995670	544580	2325905	678649	4316773

Source: DGCI & S, Kolkata

P: Provisional

++: Negligible

**: Quantity not additive

FOREIGN TRADE

**Table -9 : Value of Imports of Ores & Minerals (including Re-import), 2019-20 to 2021-22
(By Principal Minerals)**

Ores & Minerals	2019-20		2020-21		2021-22 (P)		% increase (+) or decrease (-) in 2021-22 over 2020-21
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Minerals	11515303006	100	7913202918	100	15513800326	100	96.05
Petroleum (crude)	7281122511	63.23	4396561618	55.56	9139168005	58.91	107.87
Coal (ex Ligbite)	1527478152	13.26	1160506410	14.67	2288189160	14.75	97.17
Diamond	1487354319	12.92	1283511854	16.22	2056382187	13.26	60.22
Natural Gas	684667281	5.95	583289424	7.37	1005206968	6.48	72.33
Copper Ores & Conc.	86675247	0.75	59071579	0.75	223814328	1.44	278.89
Precious & Semi-precious	41191154	0.36	47935435	0.61	128825205	0.83	168.75
Stones (cut & Uncut):total							
Rock Phosphate	54205952	0.47	53709109	0.68	104667349	0.67	94.88
Manganese Ore	41282100	0.36	55242138	0.70	96424799	0.62	74.55
Alumina	49829384	0.43	57491719	0.73	82447635	0.53	43.41
Coke	61067396	0.53	44821773	0.57	81047701	0.52	80.82
Limestone	37429909	0.33	32911759	0.42	49014650	0.32	48.93
Iron Ore	9409772	0.08	8445221	0.11	35389345	0.23	319.05
Sulphur (exc. Sublimed	8239656	0.07	10948268	0.14	35362092	0.23	222.99
Precipitated & Colloidal)							
Marble	17923694	0.16	12032307	0.15	21110673	0.14	75.45
Bauxite	10817757	0.09	13709540	0.17	18963241	0.12	38.32
Asbestos	12432333	0.11	11851124	0.15	16631390	0.11	40.34
Emerald (cut & Uncut)	24403510	0.21	7997796	0.10	16560915	0.11	107.07
Molybdenum Ores & Conc.	9809780	0.09	8848441	0.11	15470962	0.10	74.84
Magnesite	9468163	0.08	7657838	0.10	13106490	0.08	71.15
Gypsum	8415195	0.07	7372934	0.09	11823817	0.08	60.37
Zirconium Ores & Conc.	6073420	0.05	6993378	0.09	11260337	0.07	61.01
Dolomite	6555288	0.06	5075300	0.06	9682992	0.06	90.79
Borax	5644322	0.05	6337254	0.08	7973967	0.05	25.83
Fluorspar	7225937	0.06	6090596	0.08	7792038	0.05	27.94
Titanium Ores & Conc.	3965292	0.03	3440562	0.04	5292058	0.03	53.81
Kaolin	3933899	0.03	4431804	0.06	5048415	0.03	13.91
Other Minerals Nes	2995670	0.03	2325905	0.03	4316773	0.03	85.60
Chromite	2065047	0.02	2257733	0.03	4232459	0.03	87.46
Graphite (natural)	1863220	0.02	1808218	0.02	2651642	0.02	46.64
Precious Metal Ores	736	0.00	48509	0.00	2376644	0.02	4799.39
& Concentrates							
Other Minerals	11756910	0.10	10477372	0.13	13566089	0.09	29.48

Source: DGCI & S, Kolkata

P:Provisional

FOREIGN TRADE

**Table- 10 : Value of Imports of Ores & Minerals (including Re-import), 2019-20 to 2021-22
(By Principal Countries)**

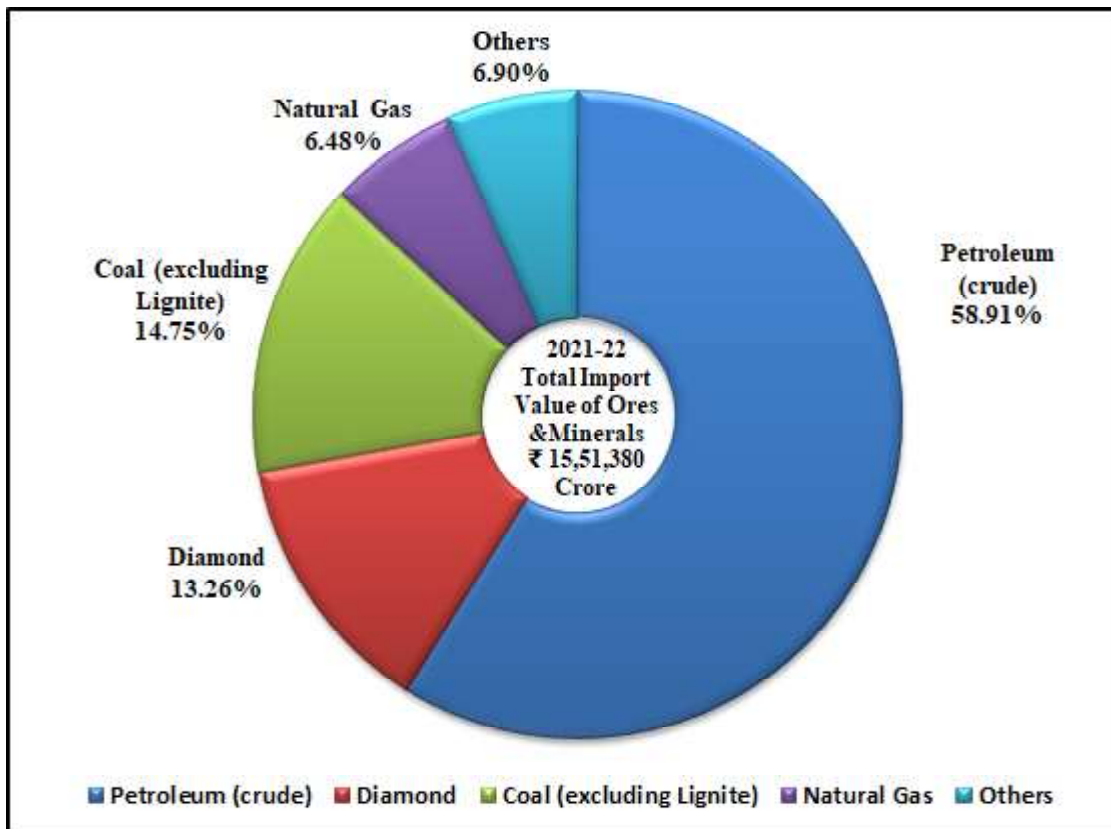
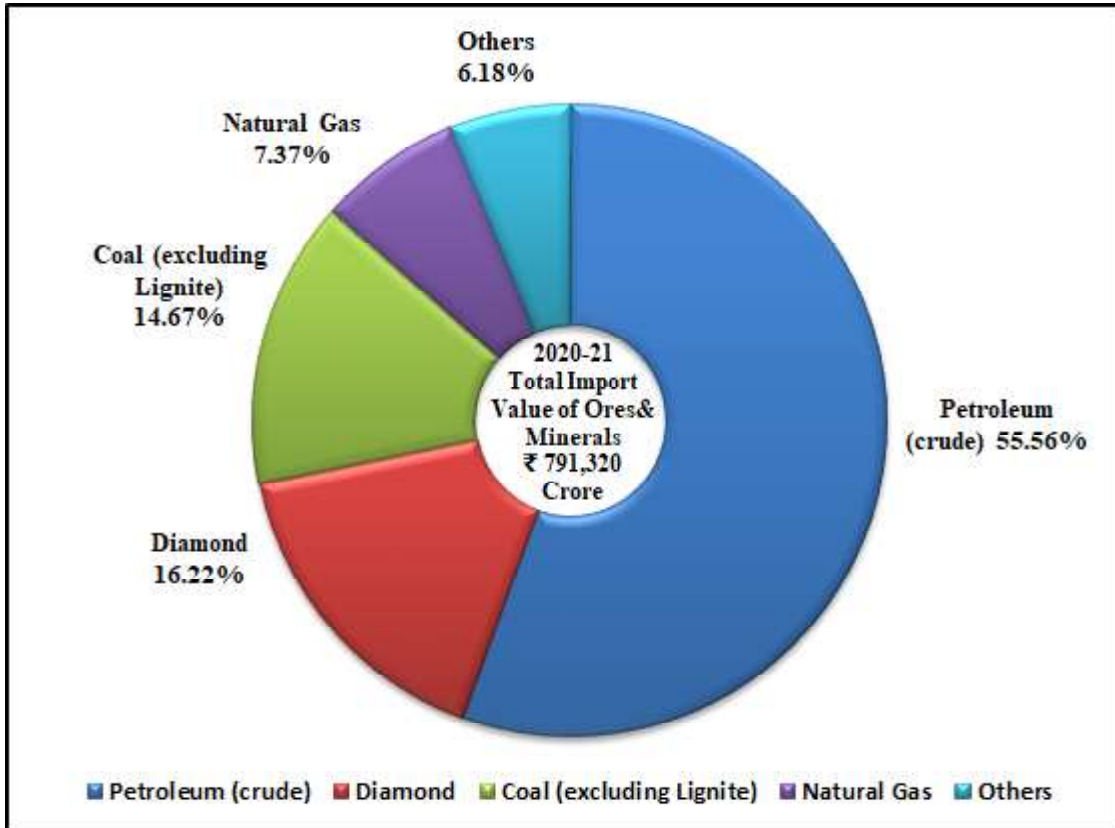
Country	2019-20		2020-21		2021-22 (P)		% increase (+) or decrease (-) in 2021-22 over 2020-21
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
Grand Total	11515303006	100	7913202918	100	15513800326	100	96.05
Iraq	1613786345	14.01	951898110	12.03	2266196177	14.61	138.07
UAE	1242431153	10.79	1017894598	12.86	1843987354	11.89	81.16
Saudi Arabia	1446490894	12.56	798697210	10.09	1721278315	11.10	115.51
USA	806756883	7.01	836948848	10.58	1586164944	10.22	89.52
Australia	579300065	5.03	491512945	6.21	1076064677	6.94	118.93
Nigeria	711621877	6.18	409344897	5.17	747501535	4.82	82.61
Kuwait	342816907	2.98	231464773	2.93	596318462	3.84	157.63
Indonesia	485969389	4.22	395918292	5.00	574654486	3.70	45.14
Qatar	414677870	3.60	309014143	3.91	527094184	3.40	70.57
Belgium	362970553	3.15	264518200	3.34	438749857	2.83	65.87
South Africa	285908142	2.48	241002978	3.05	405469645	2.61	68.24
Russia	242618163	2.11	176807689	2.23	376212689	2.43	112.78
Oman	102239806	0.89	128077798	1.62	335925209	2.17	162.28
Mexico	235589576	2.05	146551950	1.85	255035385	1.64	74.02
Hong Kong	234382027	2.04	217688153	2.75	250330723	1.61	15.00
Angola	257426729	2.24	137782628	1.74	203521139	1.31	47.71
Brazil	84781547	0.74	74961113	0.95	198682221	1.28	165.05
Colombia	20760739	0.18	69861350	0.88	175537868	1.13	151.27
Egypt	95506536	0.83	78132837	0.99	164988147	1.06	111.16
Singapore	67570524	0.59	39441256	0.50	134462362	0.87	240.92
Israel	45985748	0.40	50015508	0.63	110568654	0.71	121.07
Congo P Rep	39805443	0.35	16347508	0.21	96191250	0.62	488.42
Norway	11695165	0.10	4551909	0.06	92682312	0.60	1936.12
Malaysia	127928663	1.11	74447498	0.94	92681696	0.60	24.49
Mozambique	42250357	0.37	25000891	0.32	77575867	0.50	210.29
Canada	108498295	0.94	55949686	0.71	75916712	0.49	35.69
Chile	59936479	0.52	32458431	0.41	74894353	0.48	130.74
Gabon	3284695	0.03	26129785	0.33	72573087	0.47	177.74
China	31195013	0.27	19704470	0.25	68099047	0.44	245.60
Equatl Guinea	67957388	0.59	20383646	0.26	65032984	0.42	219.04
Ecuador	17953281	0.16	17501977	0.22	64408792	0.42	268.01
Cameroon	44675268	0.39	13596588	0.17	59029019	0.38	334.15
Algeria	118040691	1.03	25776167	0.33	54931611	0.35	113.11
Turkey	68803213	0.60	38261935	0.48	52303565	0.34	36.70
Thailand	28395961	0.25	24462173	0.31	52204049	0.34	113.41
Jordan	23545576	0.20	21341424	0.27	43889310	0.28	105.65
Botswana	52770671	0.46	32833354	0.41	38419662	0.25	17.01
Poland	19767781	0.17	18748083	0.24	37164085	0.24	98.23
Switzerland	17365858	0.15	17499548	0.22	34064549	0.22	94.66
UK	21736353	0.19	14354048	0.18	32957069	0.21	129.60
Brunei	41534342	0.36	24057370	0.30	29000732	0.19	20.55
Vietnam	18102249	0.16	12579785	0.16	27330421	0.18	117.26
Japan	22063842	0.19	18012309	0.23	27088618	0.17	50.39
Peru	8772085	0.08	63351	0.00	26524941	0.17	41769.81
Morocco	18282211	0.16	17442769	0.22	26494131	0.17	51.89
Other Countries	821350653	7.13	274162937	3.46	203598431	1.31	-25.74

P: Provisional

Source: DGCI&S, Kolkata

FOREIGN TRADE

Value of Imports of Ores & Minerals, 2020-21 and 2021-22
(By Principal Minerals)



Metals & Alloys

The value of imports of metals & alloys at ₹ 6,26,927 crore showed an increase of 43.92% in 2021-22 as compared to ₹ 4,35,927 crore in the previous year. The share of metals & alloys in the total value of all merchandise imported to India was about 13.70 % in 2021-22.

Gold, non-monetary & monetary (total), with a share of 54.89% continued to occupy the top position in the total value of imports of metals and alloys in 2021-22. Iron & steel is placed in the second position and accounted for share of 18.49%, copper & alloys including brass & bronze occupied the third place with a share of 8.39% and aluminium & alloys including scrap occupied the fourth place with a share of 7.22%. Next in the order were silver with 3.90% followed by ferro-alloys, Nickel & Alloys incl. scrap with 1.97% and 1.27% respectively. The individual share of remaining metals was less than one per cent of the total value of metals & alloys.

The value of imports of the metals & alloys that showed significant growth included Silver with 310.29%; Manganese & Alloys (incl. Waste Scrap) 158.50%; Ferro Alloys 122.97%; and Other Rare Metals NES 122.95% in 2021-22 as compared to that in the previous year. On the other hand, during 2021-22, the value of imports of metals and alloys that showed a declining trend as compared to the previous year was mainly in the case of Precious Metals, Metals clad with precious Metals (48.29%), cadmium (9.02%), (incl.waste & scrap) and Mercury (8.57%).

India imported metals & alloys from various countries in 2021-22. Bulk of the metals and alloys having share of more than 1% of the total value were imported from 21 countries which accounted

for 85.50% of the total value of metals & alloys imported in 2021-22. Switzerland occupied the top position with a share of 24.96% of the total value of metal imports in 2021-22 followed by UAE in second place with a share of 9.43%. The countries next in order were China in third place with a share of 6.01%, South Africa 6.01% followed by Rep. of Korea at the 5th place with share of 4.60% and Guinea at 6th place with 3.97%. The other countries with share more than 3% included USA (3.56%), Japan (3.30%) and UK (3.09%). The contribution of countries with share less than 3% but more than 2% included Peru (2.77%), Bolivia (2.46%), Singapore (2.30%) and Hong Kong (2.20%). The remaining countries are those with a share less than 2 per cent.

During the year under review, imports in terms of value from Swaziland increased manifold by 417.60% and for many other countries imports value rose up more than 100%, for instance, Tanzania (195.91%), Indonesia (195.14%), Dominic Rep (157.24%) and Guinea (135.30%). The other countries which recorded significant positive growth in imports included Mozambique(135.30%), Brazil (114.03%), Bhutan (105.39%), Kuwait (103.74%), Turkey (95.01%) and Bolivia (80.93%), as compared to the previous year. On the other hand, the value of imports of metals & alloys showed a declining trend in the case of many countries, prominent among them were Mexico (21.15%), Singapore (1.55%) and Philippines (0.67%). Imports of selected mineral-based products during 2019-20 to 2021-22 are furnished in Table-14. Value of imports of selected mineral-based products at ₹ 2,25,030 crore in the year 2021-22 registered an increase of 61.65% as compared to that of ₹ 1,39,200 crore in the previous year (Table 11 to 14).

FOREIGN TRADE

Table-11: Imports of Metals and Alloys 2019-20 to 2021-22

(Value in ₹ '000)

Metals & Alloys	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Metals & Alloys		**	4167271075	**	4356107118	**	6269271863
Aluminium & Alloys Incl. Scrap	tonne	2152419	310945506	2060227	299126164	2334438	452887747
Antimony Alloys & Scrap	tonne	1465	660699	1319	591363	1173	998247
Bismuth & Scrap	tonne	192	107726	277	135511	286	189060
Boron	tonne	++	2193	++	1899	++	2818
Cadmium & Scrap	tonne	9640	1787948	8249	1338734	6787	1218010
Chromium Alloys & Scrap	tonne	1514	923957	1329	786755	1451	925819
Cobalt Alloys & Scrap: Total	tonne	1294	4216990	802	2898721	1130	5852552
Cobalt & Alloys	tonne	1294	4216990	802	2898714	1128	5850055
Cobalt & Scrap	tonne	-	-	++	7	2	2497
Copper & Alloys (Incl. Brass & Bronze): Total	tonne	896848	361304774	744819	341717156	823597	526294673
Brass & Bronze	tonne	23552	12369100	19468	11486251	20218	15778525
Brass & Bronze (Scrap)	tonne	144126	39170225	138389	40285631	133181	65116768
Copper & Alloys	tonne	616456	280500278	496358	261483027	553443	392177470
Copper (Scrap)	tonne	112714	29265171	90604	28462247	116755	53221910
Copper (Cement Copper Precipitated)	tonne	++	763	39	5489	281	8758
Ferro Alloys : Total	tonne	483127	63432050	421980	55319083	608617	123345004
Ferro-Boron	tonne	1166	190257	1238	197093	1046	215732
Ferro-Chrome	tonne	29999	3893862	39002	4897369	44631	8360932
Ferro-Charge-Chrome	tonne	5654	328099	14004	741433	8832	769273
Ferro-Cobalt	tonne	++	1746	++	1402	-	-
Ferro-Manganese	tonne	95706	6607464	66089	4785976	40881	7059207
Ferro-Molybdenum	tonne	2531	3120808	2883	3115738	2558	6140376
Ferro-Nickel	tonne	113151	25036565	79737	16875880	249315	55890205
Ferro-Niobium	tonne	2778	5483410	3026	5857814	3982	8642844
Ferro-Phosphorous	tonne	2577	71363	2006	55172	3746	148545
Ferro-Silicon	tonne	215181	16171706	194439	16370102	212256	28265119
Ferro-Titanium	tonne	1157	299792	462	109565	731	300529
Ferro-Tungsten	tonne	4	9250	13	23282	2	4892
Ferro-Vanadium	tonne	595	1143397	480	613762	900	1806932
Ferro-Zirconium	tonne	342	41178	374	51237	522	96181
Ferro Silico-Chrome	tonne	37	14448	-	-	100	12778
Ferro-Silico-Magnesium	tonne	3128	294705	2765	289625	4299	631424
Ferro Silico-Manganese	tonne	6172	344396	10497	546336	26676	2741398
Ferro-Alloys (Others)	tonne	2949	379604	4965	787297	8140	2258637
Gold (Non-Monetary & Monetary):Total	kg	719905	1992494952	651238	2542884698	879010	3440928249
Gold-Monetary	kg	-	-	-	-	-	-
Gold-Nonmonetary: Total	kg	719905	1992494952	651238	2542884698	879010	3440928249
Gold,Non-Monetary, Powder	kg	++	471	++	51	++	5
Gold,Non-Monetary:Other Semi-manufactured forms	kg	1981	6047059	1864	7902576	10521	45336972
Gold,Non-Monetary, Other Unwrought Forms	kg	717924	1986447422	649374	2534982071	868489	3395591272
Gold-Clad Metal /Base Metals Nes	tonne	++	270	++	1694	++	52
Iron & Steel : Total		**	1013874204	**	826381853	**	1159500736
Iron & Steel (Finished Steel Inc. Cr Sheet)	tonne	4024286	358688033	3123084	281364644	3186329	400431501
Iron & Steel (Semi-Finished Steel Incl. Stl Ingo)	tonne	3008429	146062138	1848059	97340310	1504120	116884064
Iron & Steel (Steel Wire)	tonne	185193	17301064	151105	15473255	149312	21164209
Iron & Steel (Sponge Iron)	tonne	65244	1263296	68343	1315159	37451	1088387
Iron & Steel (Scrap)	tonne	6776675	241791670	5393385	213404783	4976246	323514680
Iron & Steel: Alloy Steel (Granules)	tonne	20530	1083770	17284	1015659	18629	1463023

(contd)

FOREIGN TRADE

(Table-11 conclud)

(Value in ₹ '000)

Metals & Alloys	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Iron & Steel: Alloy Steel (Powder)	tonne	3661	579712	2596	590464	3450	911990
Iron & Steel (Other Finished Steel, Nes)		**	202485997	**	187149323	**	239661220
Iron & Steel Material	tonne	527392	31485891	385727	21247947	526903	46871076
Iron & Steel (Stainless Steel)	tonne	71949	13132633	39876	7480309	32950	7510586
Lead And Alloys & Scrap: Total	tonne	348747	49923441	314954	45882809	303573	52969860
Lead & Alloys	tonne	256132	37990315	245841	36498550	225448	40056256
Lead (Scrap)	tonne	92615	11933126	69113	9384259	78125	12913604
Magnesium & Scrap	tonne	24680	4508647	25841	4604195	28845	10442217
Manganese & Alloys (Incl Waste & Scrap): Total	tonne	45195	6188389	37247	4933243	40463	12752665
Manganese & Alloys: (Wrought & Unwrought)	tonne	44580	5882186	36890	4838565	39842	12402477
Manganese & Alloys Nes	tonne	598	303087	357	94678	621	350188
Manganese Waste & Scrap	tonne	17	3116	-	-	-	-
Mercury	tonne	130	472838	112	456185	93	417082
Molybdenum & Scrap	tonne	429	1545908	430	1540722	554	2453374
Nickel And Alloys Incl. Scrap: Total	tonne	48425	55491356	56536	55125443	51519	79427347
Nickel & Alloys	tonne	45294	53854179	53248	53022663	48437	77416339
Nickel (Scrap)	tonne	3131	1637177	3288	2102780	3082	2011008
Other Rare Metals Nes	tonne	150	464961	212	520361	1836	1160126
Pig & Cast Iron Incl. Spiegeliesen	tonne	47749	3618533	36920	3368526	43732	4890464
Platinum Alloys & Related Metals	kg	9299	25809821	10719	38332024	9603	37563471
Platinum (Powder, Unwrought & Others)	kg	4705	10157862	5184	11561645	6020	14641574
Other Metals Of Platinum Group	kg	4594	15651959	5535	26770379	3583	22921897
Platinum - Clad Base /Precious Metal	kg	6	14483	73	42046	178	72575
Precious Metals / Metals Clad With Precious M	tonne	114	482326	328	5267483	320	2723812
Selenium	tonne	574	708675	701	681519	508	712159
Silicon	tonne	55221	6137456	64800	8323238	77220	17371458
Silver	tonne	5421	191617874	1484	59602766	4422	244542763
Silver Clad Base Metal	kg	574	5565	500	7518	4862	22436
Tantalum & Scrap: Total	tonne	1	83353	1	92405	412	184858
Tantalum alloys unwrought	tonne	1	83353	1	92405	5	99544
Tantalum & scrap	tonne	-	-	-	-	407	85314
Tellurium	tonne	3	23332	2	21250	3	18935
Tin & Alloys (Incl. Scrap): Total	tonne	11746	15254405	10797	14848133	10809	28696669
Tin & Alloys	tonne	11225	14998805	10382	14585191	10333	28331809
Tin & Alloys : Worked	tonne	521	255514	415	262942	476	364860
Tin (Scrap)	tonne	++	86	-	-	-	-
Titanium & Alloys (Incl. Waste & Scrap)	tonne	8347	7448533	8875	5480218	9369	7998954
Tungsten And Alloys Incl. Scrap	kg	385732	1467498	326673	1451447	364880	1805805
Zinc And Alloys (Incl. Scrap)	tonne	249502	46153989	189197	34313169	227424	50722547
Zinc & Alloys	tonne	173997	34384910	139769	27338160	148376	36587059
Zinc (Scrap)	tonne	75505	11769079	49428	6975009	79048	14135488
Zirconium & Scrap	tonne	40	97660	3	23298	45	170561

Source: DGCI & S, Kolkata

P: Provisional, R: Revised

++: Negligible, -: Nil

**: Not additive

FOREIGN TRADE

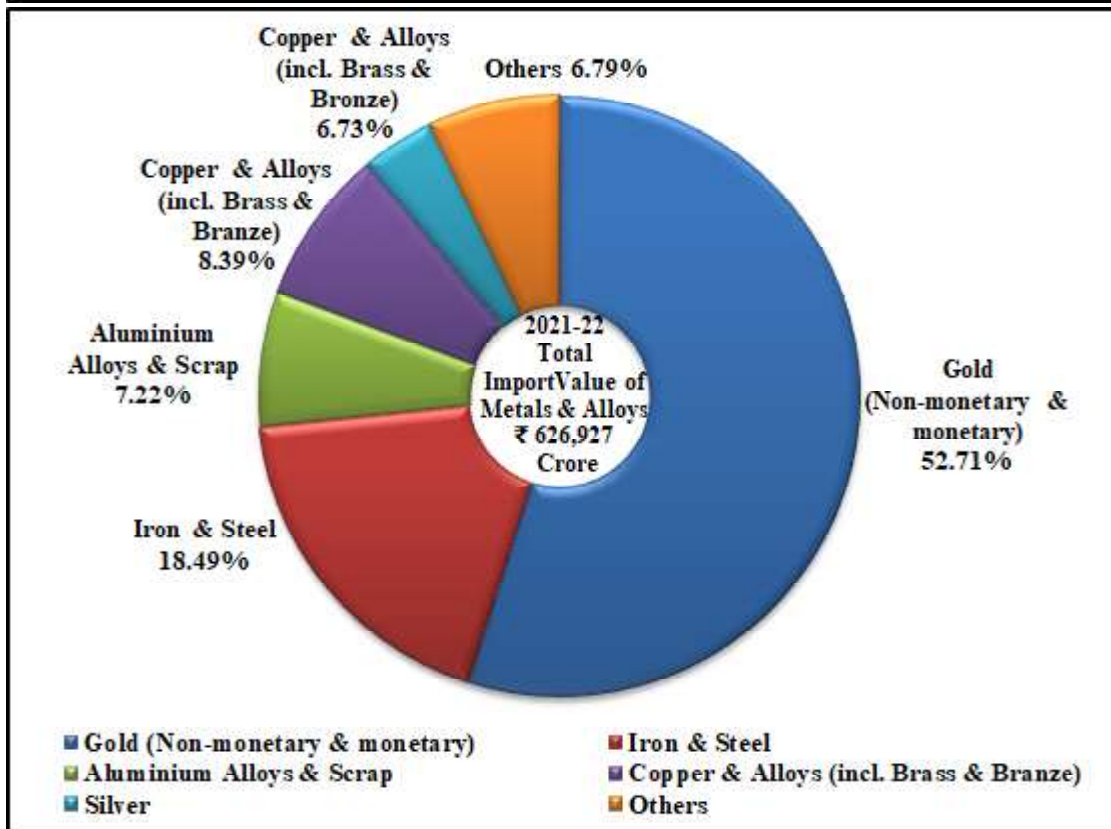
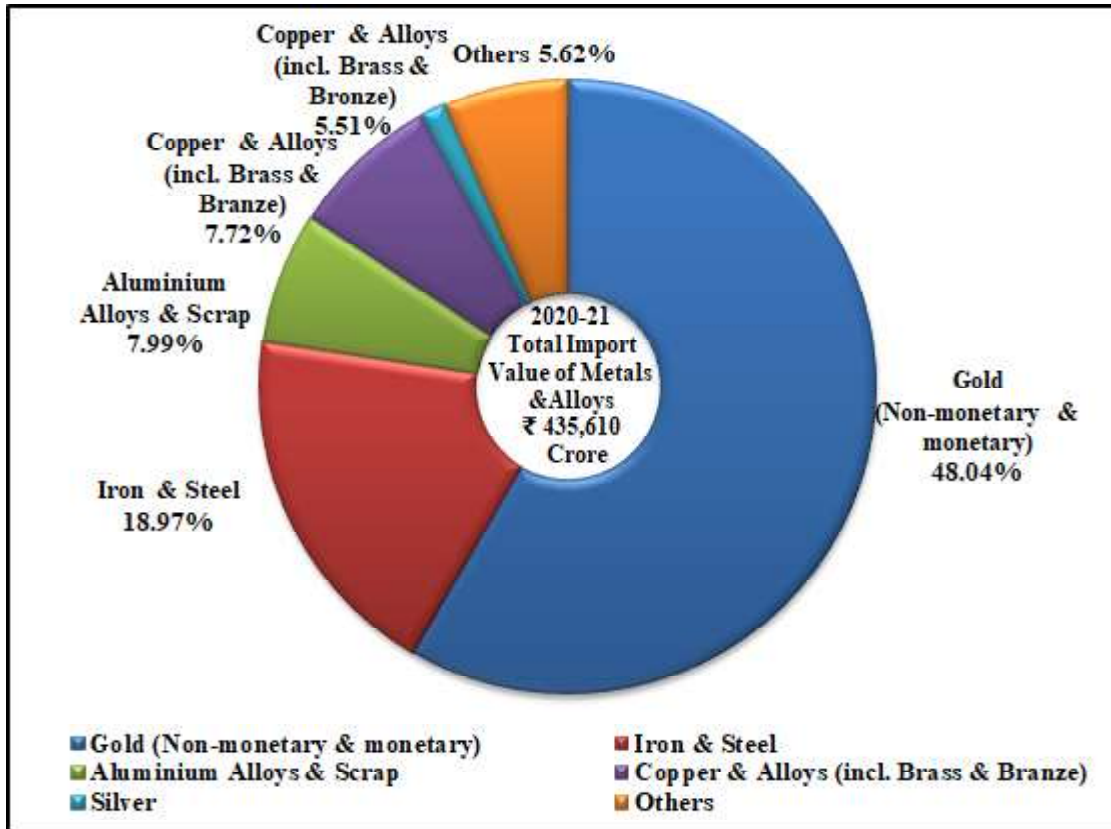
**Table-12: Value of Imports of Metals and Alloys, 2019-20 to 2021-22
(By Principal Metals & Alloys)**

Metals & Alloys	2019-20		2020-21		2021-22 (P)		% increase (+) or decrease (-) in 2021-22 over 2020-21
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
Grand Total	4167271075	100	4356107118	100	6269271863	100	43.92
Gold (non-monetary & Monetary):total	1992494952	47.81	2542884698	58.38	3440928249	54.89	35.32
Iron & Steel	1013874204	24.33	826381853	18.97	1159500736	18.49	40.31
Copper & Alloys (incl. Brass & Bronze)	361304774	8.67	341717156	7.84	526294673	8.39	54.01
Aluminium And Alloys Incl. Scrap	310945506	7.46	299126164	6.87	452887747	7.22	51.40
Silver	191617874	4.60	59602766	1.37	244542763	3.90	310.29
Ferro Alloys	63432050	1.52	55319083	1.27	123345004	1.97	122.97
Nickel And Alloys Incl. Scrap	55491356	1.33	55125443	1.27	79427347	1.27	44.08
Lead And Alloys Incl. Scrap	49923441	1.20	45882809	1.05	52969860	0.84	15.45
Zinc And Alloys Incl. Scrap	46153989	1.11	34313169	0.79	50722547	0.81	47.82
Platinum Alloys & Related Metals	25809821	0.62	38332024	0.88	37563471	0.60	-2.00
Tin And Alloys Incl. Scrap	15254405	0.37	14848133	0.34	28696669	0.46	93.27
Silicon	6137456	0.15	8323238	0.19	17371458	0.28	108.71
Manganese & Alloys (incl Waste & Scrap)	6188389	0.15	4933243	0.11	12752665	0.20	158.50
Magnesium & Scrap	4508647	0.11	4604195	0.11	10442217	0.17	126.80
Titanium & Alloys (incl. Waste & Scrap)	7448533	0.18	5480218	0.13	7998954	0.13	45.96
Cobalt & Alloys (incl Waste And Scrap)	4216990	0.10	2898721	0.07	5852552	0.09	101.90
Pig & Cost Iron (incl. Speigeliessen)	3618533	0.09	3368526	0.08	4890464	0.08	45.18
Precious Metals/Metals Clad With Precious Metals	482326	0.01	5267483	0.12	2723812	0.04	-48.29
Molybdenum & Scrap	1545908	0.04	1540722	0.04	2453374	0.04	59.24
Tungsten And Alloys Incl. Scrap	1467498	0.04	1451447	0.03	1805805	0.03	24.41
Cadmium (incl. Waste & Scrap)	1787948	0.04	1338734	0.03	1218010	0.02	-9.02
Other Rare Metals Nes	464961	0.01	520361	0.01	1160126	0.02	122.95
Antimony Alloys And Scrap	660699	0.02	591363	0.01	998247	0.02	68.80
Chromium & Alloys	923957	0.02	786755	0.02	925819	0.01	17.68
Selenium	708675	0.02	681519	0.02	712159	0.01	4.50
Mercury	472838	0.01	456185	0.01	417082	0.01	-8.57
Other Metals & Alloys	335345	0.01	331110	0.01	670053	0.01	102.37

*Source: DGCI & S, Kolkata**P: Provisional*

FOREIGN TRADE

Value of Imports of Metals and Alloys, 2020-21 and 2021-22
(By Principal Metals & Alloys)



FOREIGN TRADE

**Table-13: Value of Imports of Metals and Alloys, 2019-20 to 2021-22
(By Principal Countries)**

Country	2019-20		2020-21		2021-22 (P)		% increase (+) or decrease (-) in 2021-22 over 2020-21
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
All Countries	4167271075	100	4356107118	100	6269271863	100	43.92
Switzerland	1039728485	24.95	1201797774	27.59	1564907587	24.96	30.21
UAE	310559135	7.45	411090037	9.44	591002469	9.43	43.76
China	298228269	7.16	253099822	5.81	376977637	6.01	48.94
South Africa	134464819	3.23	246653484	5.66	319969889	5.10	29.72
Korea Rep. of	244310288	5.86	191626385	4.40	288127635	4.60	50.36
Guinea	17919211	0.43	105674630	2.43	248657333	3.97	135.30
USA	234443282	5.63	199853317	4.59	223363766	3.56	11.76
Japan	177505748	4.26	162204785	3.72	206886097	3.30	27.55
UK	165877334	3.98	110728782	2.54	194002191	3.09	75.20
Peru	101475207	2.44	111217188	2.55	173847784	2.77	56.31
Bolivia	59810123	1.44	85111551	1.95	153988602	2.46	80.93
Singapore	62990591	1.51	146390033	3.36	144120534	2.30	-1.55
Hong Kong	99480092	2.39	87314320	2.00	137895844	2.20	57.93
Tanzania	44347948	1.06	42337240	0.97	125279262	2.00	195.91
Indonesia	81912364	1.97	40875240	0.94	120637568	1.92	195.14
Germany	62665932	1.50	65525774	1.50	99569459	1.59	51.95
Australia	52218415	1.25	72900094	1.67	89268691	1.42	22.45
Malaysia	102730921	2.47	71177450	1.63	82123026	1.31	15.38
Ghana	92620018	2.22	67204084	1.54	80349443	1.28	19.56
Thailand	59629957	1.43	58326516	1.34	76221571	1.22	30.68
Brazil	34749039	0.83	29317748	0.67	62749799	1.00	114.03
Vietnam	59711979	1.43	51232884	1.18	61267425	0.98	19.59
Saudi Arabia	49037679	1.18	32755487	0.75	57540914	0.92	75.67
Russia	28529347	0.68	35261589	0.81	53611438	0.86	52.04
Netherlands	38247049	0.92	31735149	0.73	51389965	0.82	61.93
Dominic	24973191	0.60	18134943	0.42	46650133	0.74	157.24
Colombia	30839214	0.74	28940987	0.66	43209967	0.69	49.30
Belgium	30976136	0.74	32504807	0.75	38751219	0.62	19.22
Italy	33425420	0.80	27524684	0.63	36599369	0.58	32.97
Argentina	15651645	0.38	23981232	0.55	35261734	0.56	47.04
Taiwan	19057272	0.46	19372549	0.44	30777560	0.49	58.87
Burkina Faso	35007113	0.84	24285988	0.56	27847181	0.44	14.66
Canada	18375709	0.44	17870630	0.41	25339341	0.40	41.79
France	19939367	0.48	20627600	0.47	23510746	0.38	13.98
Sweden	14422660	0.35	13913307	0.32	20452695	0.33	47.00
Mozambique	3595268	0.09	8684725	0.20	19997140	0.32	130.26
Kuwait	9173989	0.22	9608378	0.22	19575783	0.31	103.74
Bhutan	11487853	0.28	9282769	0.21	19066273	0.30	105.39
Swaziland	99508	0.00	3344428	0.08	17310686	0.28	417.60
Baharain Is	8291276	0.20	11511478	0.26	16546742	0.26	43.74
Mexico	13911135	0.33	18982225	0.44	14967523	0.24	-21.15
Spain	10644554	0.26	8791657	0.20	14121787	0.23	60.63
Philippines	6076592	0.15	14087147	0.32	13993333	0.22	-0.67
Norway	9349399	0.22	11517093	0.26	13486755	0.22	17.10
Turkey	8342989	0.20	6699718	0.15	13065202	0.21	95.01
Other Countries	190437553	4.57	115029410	2.64	194984765	3.11	69.51

*Source: DGCI & S, Kolkata**P: Provisional*

FOREIGN TRADE

Table- 14 : Imports of Selected Mineral-based products, 2019-20 to 2021-22

(Value in ₹ '000)

Mineral-based Product	Unit	2019-20		2020-21		2021-22 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
All Item		**	1541499125	**	1392000442	**	2250309235
Aluminium Fluoride	tonne	40362	3791019	61225	4805867	74348	5287781
Asbestos Cement Products	tonne	25008	570692	19306	466845	20721	590388
Asbestos Fibre Products	tonne	3577	2740754	2309	2750723	3353	3130952
Bleaching Powder	tonne	17	2780	34	5524	31	6228
Boric Acid	tonne	4826	210517	6897	313194	7412	378403
Briquets Of Coke, Semi-Coke Of Coal	tonne	++	2236	++	222	108	3681
Calcium Carbide	tonne	31217	1450665	32665	1774852	22008	1576090
Caustic Soda	tonne	309346	8798197	248057	5549454	203275	7734743
Cement : Total	tonne	2214478	9003784	2350442	9302473	2028180	9220479
Cement (Others)	tonne	230950	1922703	291131	2067663	283181	2183376
Cement (Portland Grey)	tonne	372431	1757397	393659	1851543	345549	1635014
Cement (Portland White)	tonne	148098	1115330	174241	1321486	187661	1473250
Cement Clinker	tonne	1462999	4208354	1491411	4061781	1211789	3928839
Cryolite And Chiolite	tonne	2763	129329	6338	174382	4167	152877
Graphite (Artificial)	tonne	47511	4870675	54327	5422418	75657	8125841
Graphite Bricks & Shapes	tonne	9408	16170	5430	21390	200053	23733
Graphite Crucibles	tonne	1	2573	906	50672	296	38483
Hydrofluoric Acid	tonne	969	89459	2095	177923	1122	133130
Manganese Oxide: Total	tonne	18239	1325712	25687	1565080	29224	2103412
Manganese Dioxide	tonne	10607	963139	12996	1016479	11268	1267664
Manganese Oxides (other than Mn Dioxide)	tonne	7632	362573	12691	548601	17956	835748
Petroleum Products: Total*	000'tonne	43788	1257420000	43248	1094300000	42062	1886360000
Non-Ferrous Ash & Residues#	tonne	24946	2566897	66023	7976670	68776	10876447
Other Refractory Manufactures &	tonne	24682	4682877	131311	4122283	529721	5908835
Phosphoric Fertilizers	tonne	16	2324	++	51	++	245
Phosphoric Acid	tonne	2501094	119766817	2514246	124688967	6442448	186191658
Phosphorus (Elemental)	tonne	33751	6552640	42551	8199312	52577	17336452
Potash Fertilizer	tonne	4040268	83239621	5250814	94059271	3020152	77176503
Potassium Nitrate	tonne	208	34447	58	7553	153	16481
Refractory Bricks	tonne	409154	14567881	265070	10879704	14632269	12745613
Silicon Carbide Crucibles	tonne	63	20742	386	70638	918	135424
Slag (Dross Etc. From Iron & Steel Exc. Granu	tonne	64674	527863	84962	592855	94710	540217
Soda Ash	tonne	847704	15251459	719730	11480417	563139	9700159
Sodium Nitrate	tonne	677	22798	1281	36525	1207	39664
Sodium Nitrite	tonne	16616	631340	11053	434032	13368	744245
Sulphur (Sublimed ppt. & Collodial): Total	tonne	752	42667	862	191861	959	335922
Sulphur (Colloidal)	tonne	54	8729	39	8477	27	10666
Sulphur Precipitated	tonne	528	9533	9	1568	39	6196
Sulphur Sublimed	tonne	170	24405	814	181816	893	319060
Titanium Oxide & Dioxide:Total	tonne	16591	3164190	13514	2579284	15233	3695149
Titanium Dioxide	tonne	16416	3082535	13389	2510726	15135	3623000
Titanium Oxides(Other Than Titanium Dioxides)	tonne	175	81655	125	68558	98	72149

Source: DGCI & S, Kolkata

P: Provisional, R: Revised, ++: Negligible, -: Nil

**: Not additive

*Source: Ministry of Petroleum & Natural Gas Statistics

Includes Non-ferrous Ash & Residues and Non-ferrous Base Metals Scrap

& includes Other Redractory Manufactures and Goods of Siliceous Fossil Metals/Earths