

FOREIGN TRADE



# Indian Minerals Yearbook 2021

(Part- I : GENERAL REVIEWS)

60<sup>th</sup> Edition

**FOREIGN TRADE**

(ADVANCE RELEASE)

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

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December,2022

# 10 Foreign Trade

## EXPORTS

### Ores & Minerals

During the year 2020-21, the value of exports (including re-exports) of ores and minerals at ₹1,96,654 crore accounted for about 9.1% of the total value of all merchandise exported from India. The value of exports of ores & minerals which declined from ₹2,19,168 crore in 2018-19 to ₹1,89,683 crore in 2019-20 increased to ₹1,96,654 crore in 2020-21. The value of mineral exports showed an increase of 3.67% in 2020-21 as compare to that of the previous year.

Diamond (total) continued to be the largest constituent item with a share of 63.98% in the total value of mineral exports in 2020-21. Next in the order of share were iron ore with the contribution of 18.44% followed by granite 5.76% , limestone 2.18 % and alumina 1.44%. 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 2020-21 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 Iron ore (94.8%) and building & monumental stones (54.2%) . On the other hand, the exports value recorded significant decline in the cases of abrasives (natural) (75.98%),

copper ores & conc. (62.4%), bauxite (33.05%), natural gas (70.11%), coal (excl. lignite) (3.25%), chromite (91.71%), alumina (8.4%) and emerald (Cut & Uncut) (69.42%), as compared to that in the previous year.

Ores and minerals were exported to various countries in 2020-21. About 89.3% per cent of the total value of exports of ores and minerals was confined to only ten countries. During 2020-21, USA occupied the top position in terms of value accounting for 25.09% of the total value of mineral exports, Hong Kong was in the second place and contributed 22.78% followed by China (19.33%), UAE (5.31%), Belgium (4.91%), Israel (3.12%), Bangladesh (2.83%), Thailand (2.42%), Japan (2.14%) and UK (1.36%) . 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 Brazil (229.23%), Bangladesh (223.90%), Bahrain (202.67%), Indonesia (111.10%), Oman (103.01%), China (73.21%), Netherlands (45.30%), Morocco (33.54%), Qatar (32.4%), Algeria (26.8%), Poland (25.74%), and Vietnam (23.24%).

However, value of export of ores & minerals declined significantly in respect of Singapore (58.76%), Turkey (55.24%), Libya (46%), Switzerland (45.71%), Taiwan (41.9%), Spain (33.13%), Malaysia (19.4%) and Kuwait (17.8%) when compared to that of the previous year (Tables -1 to 3).

**Table-1 : Exports of Ores and Minerals (including re-exports), 2018-19 to 2020-21**

(Value in ₹ '000 )

Ores & Minerals	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
<b>All Minerals</b>		**	<b>2191682036</b>	**	<b>1896831578</b>	**	<b>1966539540</b>
Abrasives (natural)	tonne	80436	1380074	92241	1568206	23411	376713
Alabaster	tonne	12	129	27	256	4	184
Alumina	tonne	1389105	46982487	1330038	30900409	1265941	28280781
Andalusite	tonne	100	2659	19	1240	9	476
Antimony ores & conc.	tonne	++	6	--	--	--	--

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Table-1 (contd)

(Value in ₹ '000 )

Ores & Minerals	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Arsenic sulphide (Natural)	tonne	25	212	++	69	277	1697
Asbestos: Total	tonne	1112	33914	1001	31011	299	11991
Asbestos (chrysotile)	tonne	1090	33647	997	30994	275	11895
Asbestos (others)	tonne	22	267	4	17	24	96
Ball clay	tonne	213999	497944	153658	398714	170915	410109
Barytes	tonne	2114610	11781173	2221693	12896670	1010894	6261470
Bauxite	tonne	1509738	3045300	524229	1421269	240841	951442
Bentonite	tonne	1693046	5846662	1647485	5674970	1557484	5215656
Borax: Total	tonne	2353	238103	2977	359860	2996	414601
Natural borate	tonne	105	1887	214	6806	55	5633
Sodium borate	tonne	1240	61645	773	54235	741	56265
Other borates	tonne	1008	174571	1990	298819	2200	352703
Building and monumental stones NES	tonne	9137308	10806105	12612479	15692854	13134116	24200968
Calcite	tonne	39251	303449	36433	273950	23867	155049
Chalk	tonne	1199	7736	1317	8022	1104	6155
Chromite: Total	tonne	39273	1337693	33898	867910	2872	71979
Chrome ore (others)	tonne	2788	116528	3433	132477	2668	68875
Chrome ore conc.	tonne	34985	1167942	30465	735433	204	3104
Chrome ore lumps	tonne	1500	53223	--	--	--	--
Clay (others)	tonne	44195	428742	50365	476744	45346	402787
Coal (Ex. Lignite)	'000t	1305	9500065	1045	5929549	2943	5736794
Coal : Lignite	'000t	2	254653	3	319838	2	234709
Coke	tonne	101863	2205464	111507	2383337	207412	4771075
Coal gas	tonne	++	100	--	--	--	--
Cobalt Ores & Conc.	tonne	1	4496	2	9478	--	--
Copper Ores & Conc.	tonne	181642	16627621	212659	20450948	82463	7689376
Corundum (natural)	tonne	101	2149	--	--	62	137
Diamond: Total		**	1758167200	**	1400336074	**	1258209200
Diamond (mostly cut)		**	1757329008	**	1399742298	**	1257345848
Diamond (industrial)	ct	7730667	545530	7410678	387188	7015880	688082
Diamond (powder)	'000 ct	10554	292662	8650	206588	10628	175270
Diatomite	tonne	27893	273001	4302	72842	3240	69439
Dolomite	tonne	78010	308053	91431	349684	95892	349090
Earth clay	tonne	3650	38825	2652	18037	3881	22220
Emerald (Cut & Uncut): Total		**	23026249	**	17387875	**	5316603
Emerald (uncut)	tonne	2	495684	34	60040	++	45741
Emerald (cut)	'000 ct	31790	22530565	21960	17327835	4076	5270862

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Table-1 (contd)

(Value in ₹ '000 )

Ores & Minerals	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Felspar (Natural)	tonne	655913	3310611	640709	3225696	705280	3931135
Felspar (cut & uncut): Total		**	338518	**	203185	10863	198059
Felspar (uncut)	tonne	215	42112	76	20001	24	30923
Felspar (cut)	'000 ct	29953	296406	25483	183184	10839	167136
Fire clay	tonne	4665	40928	5172	41898	5324	43606
Flint	tonne	790	10393	1195	8014	406	2953
Fluorite/Fluorspar	tonne	533	23410	1368	51562	474	22436
Garnet (arasive)	tonne	104344	1783920	74697	1254539	76799	1265586
Garnet (cut and uncut): Total		**	494842	**	366806	**	280824
Garnet (uncut)	tonne	116	21808	134	33736	111	20194
Garnet (cut)	'000 ct	14429	473034	42177	333070	76049	260630
Granite : Total	tonne	6811728	102014060	6678131	102248504	7522159	113279766
Granite (crude or roughly trimmed)	tonne	4040010	30037431	4015876	30475234	4705266	32700873
Granite (cut blocks/slabs)	tonne	794155	9079569	698624	8397611	674353	8810152
Granite (polished blocks/tiles)	tonne	213464	4844864	190023	4577912	240445	5969769
Granite (others)	tonne	1764099	58052196	1773608	58797747	1902095	65798972
Graphite (natural)	tonne	402	22960	607	32629	716	42994
Gypsum	tonne	175269	684490	151722	578922	213061	723888
Iron ore: Total	'000 ct	16149	92626090	36625	186092710	57723	362556021
Iron ore conc:	'000 ct	49	167775	153	559743	363	1781069
Non-Agglomerated'							
Iron ore: Fines	'000 ct	5905	16112898	22374	83422738	40661	215190641
Iron ore: Lumps	'000 ct	831	3138922	1480	8779976	2239	13118637
Iron ore Pellates	'000 ct	9364	73177864	12618	93305204	14460	132419634
Iron ore Pyrites	'000 ct	++	28631	++	25049	++	46040
Kaolin	tonne	446358	1709970	431536	1929478	287260	1610489
Kieselguhr	tonne	61	1341	113	2399	27	917
Kyanite	tonne	283	4872	143	2627	252	9033
Lead Ores & Conc.	tonne	37	2007	3	202	9	1076
Limestone	tonne	3883757	4947503	3760402	4656567	3528973	42939083
Magnesite : Total	tonne	6268	204287	5453	147073	5477	171020
Magnesia (fused)	tonne	31	1798	55	2691	41	863
Magnesite (not Calcined)	tonne	355	7843	75	1632	220	5202
Magnesite (calcined)	tonne	62	1671	35	1111	100	2102
Magnesite:Dead-Burnt Magnesia	tonne	508	13946	684	10665	2	93
Magnesium Oxide	tonne	3193	139427	2152	103450	1646	119899

(Contd.)

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Table-1 (contd)

Magnesite (other)	tonne	2119	39602	2452	27524	3468	42861
(Value in ₹ '000 )							
		2018-19		2019-20		2020-21 (P)	
Ores & Minerals	Unit	Quantity	Value	Quantity	Value	Quantity	Value
Manganese ore : Total	tonne	55845	138120	58198	254643	82363	974940
Manganese ore (46% or more Mn)	tonne	2	55	5	299	10	330
Manganese ore (35% or more but below 46% Mn)	tonne	--	--	8987	137409	40108	698245
Manganese ore (30% or more but below 35% Mn)	tonne	--	--	--	--	20200	214707
Manganese ore (Ferruginous 10% or more but below 30%)	tonne	++	2	--	--	--	--
Manganese ore (others)	tonne	55843	138063	49206	116935	22045	61658
Marble : Total	tonne	385241	8757384	310613	9010909	295085	10082272
Marble (dressed)	tonne	236740	3240387	182976	2969818	148619	2115113
Marble (others)	tonne	148501	5516997	127637	6041091	146466	7967159
Mica: Total	tonne	152494	6200102	116854	4909143	144121	5733785
Mica(unmanufactured):Total	tonne	151444	4981247	115652	3719906	143291	4724093
Mica (blocks)	tonne	2157	365067	2754	359574	1870	354192
Mica (splittings)	tonne	20798	513854	20037	474627	28810	753109
Mica (powder)	tonne	97998	3258399	73525	2295741	84031	2811539
Mica (condenser films)	tonne	++	777	120	6098	13	239
Mica (waste & scrap)	tonne	30491	843150	19216	583866	28567	805014
Mica (Worked): Total	tonne	1050	1218855	1202	1189237	830	1009692
Mica (bricks)	tonne	--	--	++	227	1	115
Mica (cond. films, plates, cuts nes)	tonne	8	26301	59	11326	32	18288
Mica (washers & discs)	tonne	5	25493	9	19564	7	14057
Mica (sheets & strips)	tonne	8	80197	18	98173	19	115884
Micanite & other Built-Up Mica	tonne	10	6050	47	6399	13	3452
Mica Worked (others)	tonne	1019	1080814	1069	1053548	758	857896
Molybdenum ores & conc.	tonne	6	81	3	3023	45	43181
Niobium or tantalum ores & conc.	tonne	++	790	361	943	++	217
Natural gas	tonne	73574	3802681	52408	2202387	17992	658242
Nickel ores & conc.	tonne	50	1619	++	++	--	--
Ochre: Total	tonne	3491	65042	2934	72045	4126	71626
Ochre: (earth colours)	tonne	2559	30466	1964	23594	3276	44387
Ochre (persian red)	tonne	--	--	++	1	13	1666
Ochre (red oxide)	tonne	694	25187	707	37111	625	16573
Ochre: (yellow ochre)	tonne	238	9389	263	11339	212	9000
Precious & Semi-precious Stones (Cut & Uncut): Total		**	14493857	**	12083066	**	23463605

(Contd.)

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Table-1 (concl'd)

		(Value in ₹ '000 )					
		2018-19		2019-20		2020-21 (P)	
Ores & Minerals	Unit	Quantity	Value	Quantity	Value	Quantity	Value
Precious & Semi-precious stones (uncut)	tonne	3173	1261704	2194	822702	2250	1300940
Precious & Semi-precious stones (cut)	'000 ct	1823853	13232153	2617919	11260364	1300016	22162665
Precious metal ores & concentrates	kg	50001	484	--	--	260175	5435
Quartz and Quartzite: Total	tonne	793394	5702081	944041	6087293	772127	6213690
Quartz (natural)	tonne	672764	4035108	768686	4685362	692520	5289217
Quartzite (natural)	tonne	120630	1666973	175355	1401931	79607	924473
Rock phosphorite	tonne	1651	46794	257	2015	825	5602
Salt (other than common salt)	tonne	12755381	14627311	11681705	13681149	8260913	10571743
Sand (excl. metal bearing)	tonne	3390	24451	1894	32610	1178	13630
Sandstone	tonne	1032376	13570942	795763	10434171	794445	11220825
Silica sand	tonne	3152	27793	2391	14934	43061	63008
Sillimanite	tonne	9984	111874	1025	14961	4998	94359
Slate : Total	tonne	80536	2180250	61143	1983349	66335	2453970
Slate (worked)	tonne	16080	942249	10751	922884	13975	1250220
Slate (others)	tonne	64456	1238001	50392	1060465	52360	1203750
Talc/steatite/soapstone : Total	tonne	259520	3764807	250649	3583316	283303	4364076
Steatite blocks	tonne	903	9509	180	4393	468	8525
Steatite lumps	tonne	66129	951471	71309	978177	107566	1744449
Steatite powder & others	tonne	192488	2803827	179160	2600746	175269	2611102
Sulphur (excl. sublimed precipitated & colloidal)	tonne	479650	4332470	802175	3872834	802713	4328627
Tin ores & conc.	tonne	++	54	++	1	--	--
Titanium ores & conc.: Total	tonne	359971	6566847	246203	4995763	246534	5348323
Titanium ores & conc. (ilmenite)	tonne	358027	6438828	246179	4992946	246534	5348321
Titanium ores & conc. (rutile)	tonne	98	7760	8	817	--	--
Titanium ores & conc. (others)	tonne	1846	120259	16	2000	++	2
Tungsten ores & conc.	tonne	34	43180	--	--	--	--
Vanadium ores & conc.	tonne	10	2320	10	10801	--	--
Vermiculite	tonne	583	7251	634	7902	853	11573
Witherite	tonne	++	87	++	156	++	104
Wollastonite	tonne	13786	279115	14582	298591	13716	311809
Zinc ores & conc.	tonne	2078	71169	317	15828	399	20716
Zirconium ores & conc.	tonne	89	4469	1	78	++	21
Other minerals NES	tonne	3817136	5538145	3643829	4587040	3842874	4244574

*Source: DGCI & S, Kolkata*

*P: Provisional*

*\*\* : Quantity not additive*

*++ : Negligible (less than 0.5)*

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**Table – 2: Value of Exports of Ores & Minerals (including re-exports), 2018-19 to 2020-21  
(By Principal Ores & Minerals)**

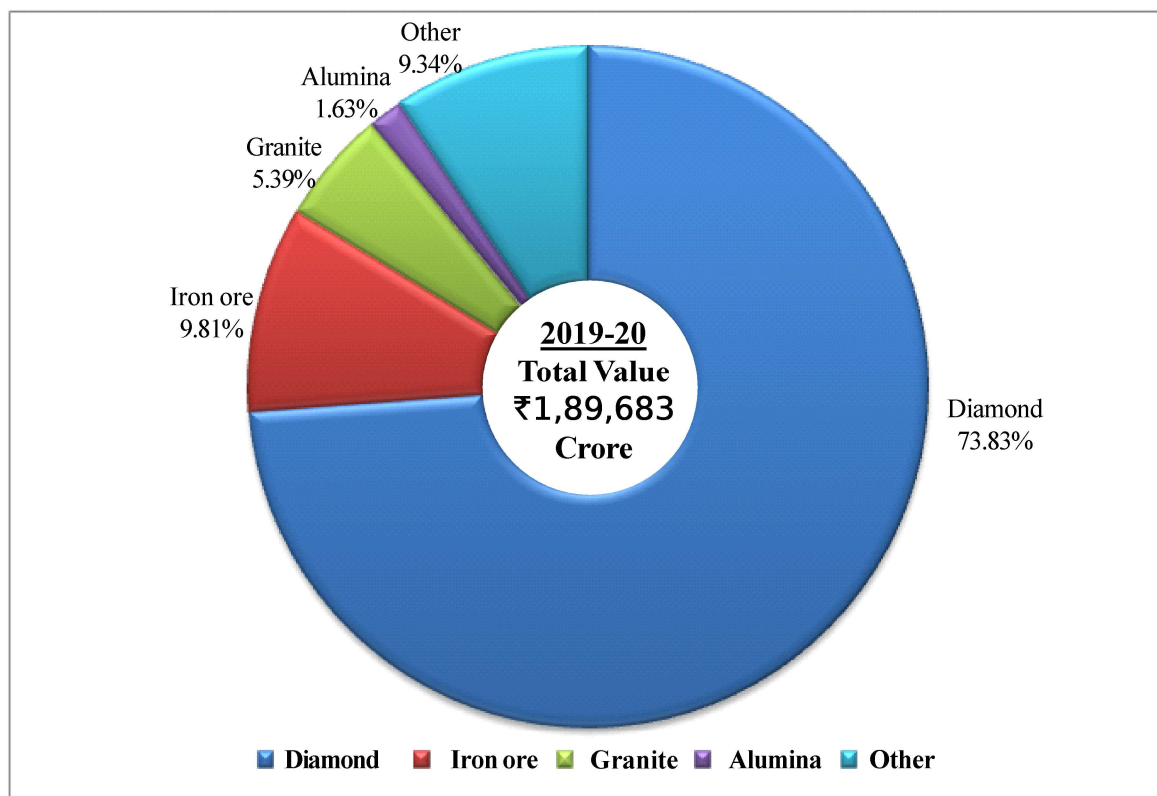
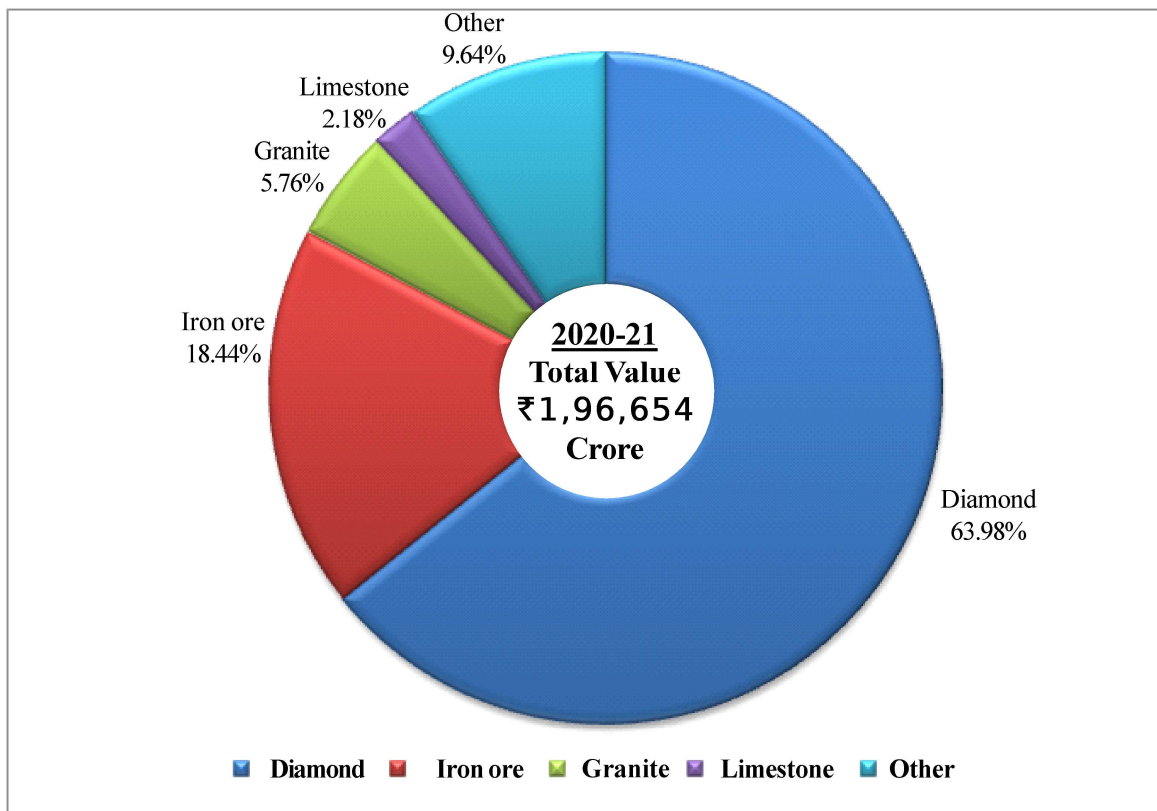
Ores & Minerals	2018-19		2019-20		2020-21 (P)		% increase (+) or decrease (-) in 2020-21 over 2019-20
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
<b>All Minerals</b>	<b>2191682036</b>	<b>100.00</b>	<b>1896831578</b>	<b>100.00</b>	<b>1966539540</b>	<b>100.00</b>	<b>3.67</b>
Diamond	1758167200	80.22	1400336074	73.83	1258209200	63.98	-10.15
Iron ore	92626090	4.23	186092710	9.81	362556021	18.44	94.83
Granite	102014060	4.65	102248504	5.39	113279766	5.76	10.79
Alumina	46982487	2.14	30900409	1.63	28280781	1.44	-8.48
Copper ores & conc.	16627621	0.76	20450948	1.08	7689376	0.39	-62.40
Emerald (cut & uncut)	23026249	1.05	17387875	0.92	5316603	0.27	-69.42
Precious & semi-precious stones (cut & uncut): Total	14493857	0.66	12083066	0.64	23463605	1.19	94.19
Sandstone	13570942	0.62	10434171	0.55	11220825	0.57	7.54
Building and monumental stones NES	10806105	0.49	15692854	0.83	24200968	1.23	54.22
Barytes	11781173	0.54	12896670	0.68	6261470	0.32	-51.45
Salt (other than common salt)	14627311	0.67	13681149	0.72	10571743	0.54	-22.73
Coal (excl. lignite)	9500065	0.43	5929549	0.31	5736794	0.29	-3.25
Marble	8757384	0.40	9010909	0.48	10082272	0.51	11.89
Mica	6200102	0.28	4909143	0.26	5733785	0.29	16.80
Titanium ores & conc.	6566847	0.30	4995763	0.26	5348323	0.27	7.06
Bentonite	5846662	0.27	5674970	0.30	5215656	0.27	-8.09
Quartz and Quartzite	5702081	0.26	6087293	0.32	6213690	0.32	2.08
Sulphur (exc. sublimed precipitated & colloidal)	4332470	0.20	3872834	0.20	4328627	0.22	11.77
Steatite	3764807	0.17	3583316	0.19	4364076	0.22	21.79
Limestone	4947503	0.23	4656567	0.25	42939083	2.18	822.12
Talc/soapstone/steatite	37648070.17	0.17	3583316	0.19	4364076	0.22	21.79
Natural gas	3802681	0.17	2202387	0.12	658242	0.03	-70.11
Bauxite	3045300	0.14	1421269	0.07	951442	0.05	-33.06
Felspar (natural)	3310611	0.15	3225696	0.17	3931135	0.20	21.87
Garnet (abrasive)	1783920	0.08	1254539	0.07	1265586	0.06	0.88
Slate	2180250	0.10	1983349	0.10	2453970	0.12	23.73
<b>Manganese ore</b>	138120	0.01	254643	0.01	974940	0.05	282.87
Kaolin	1709970	0.08	1929478	0.10	1610489	0.08	-16.53
<b>Borax</b>	238103	0.01	359860	0.02	414601	0.02	15.21
Coke	2205464	0.10	2383337	0.13	4771075	0.24	100.18
Gypsum	684490	0.03	578922	0.03	723888	0.04	25.04
Other minerals	12242111	0.56	10313324	0.54	7771508	0.40	-19.36

Source: DGCI&S, Kolkata

Note: Total may not tally due to rounding off

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Value of Exports of Ores & Minerals 2019-20 and 2020-21  
(By Principal Ores & Minerals)





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**Table - 3 : Value of Exports of Ores & Minerals (including re-exports), 2018-19 to 2020-21  
(By Principal Countries)**

Ores & Minerals	2018-19		2019-20		2020-21 (P)		% increase (+) or decrease (-) in 2020-21 over 2019-20
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
<b>All Countries</b>	<b>2191682036</b>	<b>100</b>	<b>1896831578</b>	<b>100</b>	<b>1966539540</b>	<b>100</b>	<b>3.67</b>
USA	616559576	28.13	528711991	27.87	493499087	25.09	-6.66
Hong Kong	680993516	31.07	470206976	24.79	447951892	22.78	-4.73
China	151497875	6.91	219411030	11.57	380077162	19.33	73.23
UAE	135516440	6.18	114164809	6.02	104335194	5.31	-8.61
Belgium	169764411	7.75	151255522	7.97	96560613	4.91	-36.16
Israel	70675334	3.22	64807168	3.42	61431650	3.12	-5.21
Bangladesh	14999853	0.68	17208196	0.91	55737626	2.83	223.90
Thailand	43675034	1.99	45600085	2.40	47659389	2.42	4.52
Japan	40002022	1.83	44424844	2.34	42054415	2.14	-5.34
UK	25176931	1.15	22863008	1.21	26731073	1.36	16.92
Vietnam	13045408	0.60	13629494	0.72	16797196	0.85	23.24
Korea, Rep. of	17037009	0.78	16181300	0.85	14650431	0.74	-9.46
Oman	3983975	0.18	6063245	0.32	12308820	0.63	103.01
Malaysia	8682524	0.40	14263474	0.75	11498522	0.58	-19.38
Australia	11993011	0.55	10290892	0.54	10907001	0.55	5.99
Nepal	13384221	0.61	11736648	0.62	10092486	0.51	-14.01
Botswana	8585684	0.39	8709480	0.46	9889759	0.5	13.55
Indonesia	5186368	0.24	4663874	0.25	9845335	0.5	111.10
Saudi Arabia	9086586	0.41	8755015	0.46	8618105	0.44	-1.56
Germany	9275453	0.42	8388465	0.44	8452053	0.43	0.76
Italy	9133026	0.42	8155826	0.43	6717453	0.34	-17.64
Canada	6006389	0.27	5942188	0.31	6324114	0.32	6.43
Singapore	19159080	0.87	15283658	0.81	6303074	0.32	-58.76
France	8453951	0.39	7464099	0.39	6279841	0.32	-15.87
Brazil	1570934	0.07	1581689	0.08	5207377	0.26	229.23
Switzerland	14786961	0.67	9128473	0.48	4955789	0.25	-45.71
Turkey	6420711	0.29	9766260	0.51	4371213	0.22	-55.24
Poland	3701166	0.17	3323492	0.18	4179084	0.21	25.74
Egypt	12386737	0.57	4753153	0.25	4161003	0.21	-12.46
Qatar	4786187	0.22	3057265	0.16	4047316	0.21	32.38
South Africa	4598990	0.21	3266621	0.17	3680561	0.19	12.67
Taiwan	5338103	0.24	6259954	0.33	3637479	0.18	-41.89
Netherlands	6003586	0.27	2248225	0.12	3266707	0.17	45.30
Bahrain	1344199	0.06	947010	0.05	2866324	0.15	202.67
Bhutan	1892788	0.09	2140556	0.11	2389754	0.12	11.64
Algeria	1540116	0.07	1434302	0.08	1818974	0.09	26.82
Spain	2105151	0.10	2662435	0.14	1780286	0.09	-33.13
Kuwait	2114538	0.10	2055959	0.11	1690266	0.09	-17.79
Russia	1091199	0.05	1523221	0.08	1470036	0.07	-3.49
Sri Lanka	1775665	0.08	1537180	0.08	1269968	0.06	-17.38
Ireland	1143447	0.05	1034946	0.05	1224230	0.06	18.29
New Zealand	1079022	0.05	1004005	0.05	1075570	0.05	7.13
Morocco	618469	0.03	757120	0.04	1011060	0.05	33.54
Iraq	1009190	0.05	881792	0.05	986723	0.05	11.90
Libya	1346450	0.06	1736427	0.09	938054	0.05	-45.98
Other countries	23154750	1.06	17550206	0.93	15789475	0.8	-10.03

Source: DGCI&S, Kolkata

## FOREIGN TRADE

### Metals & Alloys

The value of exports of metals & alloys at ₹2,07,222 crore in the year 2020-21 registered an increase of 24.76% as compared to that of ₹ 1,66,098 crore in the previous year. The contribution of metals & alloys in the total value of India's exports was only 7.48% during the year under review.

Iron & steel with a share of 59.12% continued to hold the top position in the value of metals/alloys exported from India in 2020-21. Aluminium and alloys including scrap is in the second place and accounted for 20.64% value. Ferroalloys and copper & alloys (including brass & bronze) occupied the third & fourth place with a contribution of 6.16% and 4.93%, respectively. The contributions of zinc & alloys including scrap and silver were 2.66% and 1.64% pig & cast iron (incl speigeliessen) and lead & alloy including scrap were 1.46% & 1.25% 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 2020-21. The export value of silver registered a huge spike of 4889.50% similar hike in export value was noticed in gold ( Non monetary & monetary) which increased by 229.04%, platinum 110.21%, precious metals 197.17%, copper & alloys 68.63%, pig & cast iron (Incl. speigeliessen) 180.84% and tin & alloys incl. scrap 5.87%. However, the export values showed significant negative growth during 2020-21 as compared to that of the previous year in the cases of cobalt alloys (65.32%), Mo & Scrap (49.20%), Hg-(40.90%), Ni & Alloys (36.51%), Ti & Alloys (18.76%) and W& Alloys (4.03%).

India exported metals & alloys to various countries in 2020-21. Bulk of the metals and alloys

having share of more than 1% to the total value were exported to 27 countries. These countries together accounted for 95.88% of the total value of exports during 2020-21. China led the group with a share of 13.62% followed by USA (8.74%), Malaysia (6.07%), Republic of Korea (5.68%), UAE (4.57%), Vietnam (4.34%), Italy (4.20%), Nepal (4.17%), UK (3.24%), Belgium (2.46%), Taiwan (2.23%), Germany (2.07%), Thailand (2.06%), Bangladesh (2.01%), Saudi Arabia (1.65%), Indonesia (1.67%), Spain (1.59%), Canada (1.51%), Japan (1.45%), Netherlands (1.42%), Sri Lanka & Brazil (1.08% each), Mexico (1.11%), Oman (1.25%), Singapore 1.83%, Turkey 1.3%, and Australia 1.02%. The individual share is less than one 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 2020-21 are China more than 3 fold of (278.19%), Greece (182.17%), Switzerland (174.68%), Singapore (142.34%), Kenya (119.75%), Hong Kong (115.66%), UK (95.31%), Turkey (77.84%), Romania (63.58%) Tanzania Rep (54.51%), Australia (50.28%), Philippines (44.11%) and Indonesia (42.42%).

On the other hand, decline in the value of exports of metals & alloys was observed among Nigeria (26.28%), Ethiopia (12.26%), Bangladesh (10.46%), UAE (4.83%), France (2.85%), Nepal (2.45%), Germany (1.50%) and USA (1.18%) during the year under review (Tables - 4 to 6).

Exports of selected mineral-based products during 2018-19 to 2020-21 are furnished in Table - 7. Value of exports of selected Mineral- based products at ₹ 1,63,070 crore in the year 2020-21 registered a decrease of 37.32% as compared to that of ₹ 2,60,158 crore in the previous year.

**Table-4 : Exports of Metals and Alloys 2018-19 to 2020-21**

		(Value in ₹ '000 )					
		2018-19		2019-20		2020-21 (P)	
Metals & Alloys	Unit	Quantity	Value	Quantity	Value	Quantity	Value
<b>All Metals &amp; Alloys</b>		**	<b>1742867821</b>	**	<b>1660987438</b>	**	<b>2072220863</b>
Aluminium and Alloys Incl. Scrap	tonne	2337737	398756249	2371062	361046684	2735588	427759670
Antimony Alloys and Scrap	tonne	2283	1242871	2217	927375	2134	932922
Bismuth & Scrap	tonne	++	924	++	1053	++	2528
Boron	tonne	++	1971	++	91	5	525

(Contd)

FOREIGN TRADE

Table-4 (contd)

		(Value in ₹ '000 )					
Metals & Alloys	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Cadmium (incl. waste & scrap)	tonne	145	20128	268	35680	208	24971
Cement (copper precipitated)	tonne	42	1961	++	367	4	1066
Chromium & Alloys	tonne	45	60582	157	112563	168	119489
Cobalt & Alloys							
(incl. waste and scrap): Total	tonne	95	425191	105	220380	340	364327
Cobalt & Alloys	tonne	81	411877	87	199965	340	364006
Cobalt & Scrap	tonne	14	13314	18	20415	++	321
Copper & Alloys							
(incl. brass & bronze): Total	tonne	134452	70029611	140857	60527102	209332	102064524
Brass & Bronze	tonne	28627	20698053	50669	21447989	61018	30956169
Brass & Bronze (scrap)	tonne	1596	481298	1064	312010	1484	511456
Copper & Alloys	tonne	99154	46846423	81388	35989492	139540	67619065
Copper (scrap)	tonne	5075	2003837	7736	2777611	7290	2977834
Ferroalloys : Total	tonne	1942120	149622729	1715919	118100709	1843322	127735114
Ferro-boron	tonne	46	9922	51	11143	39	9728
Ferro-chrome	tonne	860179	66563282	732431	48794984	720539	49939983
Ferro-Charge-Chrome	tonne	++	63	--	--	--	--
Ferro-cobalt	tonne	++	398	++	75	++	29
Ferrocolumbium	tonne	++	1088	1	2901	++	1522
Ferromanganese	tonne	271431	22752478	262265	19796179	335229	23997006
Ferromolybdenum	tonne	328	444659	129	146529	279	324540
Ferronickel	tonne	++	55	++	197	77	65052
Ferroniobium	tonne	45	99699	26	52730	14	25114
Ferrophosphorous	tonne	149	17076	80	10878	77	11038
Ferroselenium	tonne	++	917	++	1365	++	979
Ferrosilicon	tonne	25752	2580246	18754	1601611	11236	1194260
Ferrotitanium	tonne	1199	284737	3227	678896	2553	567131
Ferrotungsten	tonne	2	6444	++	1223	++	1150
Ferrovanadium	tonne	472	1832963	531	883571	240	346840
Ferrozirconium	tonne	2	1546	5	2914	3	1644
Ferro-silico-chrome	tonne	++	31	3	638	32	12095
Ferro-silico-magnesium	tonne	8610	951635	7153	770985	4192	483234
Ferro-silico-manganese	tonne	766932	53296563	682846	44374533	764747	50326047
Ferroalloys (Others)	tonne	6973	778927	8417	969357	4065	427722

(contd)

FOREIGN TRADE

Table-4 (contd)

		(Value in ₹ '000 )					
Metals & Alloys	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Gold (non-monetary & monetary): Total	kg	507	1441335	1730	5742699	4191	18895717
Gold-Monetary	kg	++	9	--	--	++	25
Gold-Non-monetary: Total	kg	507	1441326	1730	5742699	4191	18895692
Gold, non-Monetary, Other Unwrought Forms	kg	505	143628	1575	5300969	4191	18894458
Gold-Non-monetary, Powder	kg	++	35	--	--	++	16
Gold-Non-monetary: Other Semi-manufactured forms	kg	2	4963	155	441730	++	1218
Gold-clad Metals/Base Metals Nes	tonne	++	1084	++	19	++	306
Iron & Steel : Total		**	1022758437	**	1019955563	**	1225105321
Iron & Steel (finished steel inc. Cr sheet)	tonne	4523205	326115980	4631222	309262120	6108963	358432755
Iron & Steel (semi-finished steel incl. stl ingo)	tonne	5979694	29365342	795707	320684584	12577510	480956813
Iron & Steel (steel wire)	tonne	152589	25449307	159597	23911264	169631	25750975
Iron & Steel (sponge iron)	tonne	686150	15725355	898475	17286760	524566	11248671
Iron & Steel (scrap)	tonne	8487	648538	11876	688320	25613	649151
Iron & Steel: Alloy Steel (granules)	tonne	309	21811	484	29004	422	29056
Iron & Steel: Alloy Steel (powder)	tonne	128	36775	68	9067	4	1760
Iron & Steel (other finished steel, nes)	tonne	**	351532787	**	339926285	**	340587784
Iron & Steel Material	tonne	88150	5217272	84891	4478671	70062	4250996
Iron & Steel (stainless steel)	tonne	12139	4356970	8181	3679488	12889	3197360
Lead and Alloys Incl. Scrap: Total	tonne	176836	28199782	174939	26422498	176601	25845466
Lead & Alloys	tonne	176774	28192398	174936	26421811	176569	25841849
Lead & Scrap	tonne	62	7384	3	687	32	3617
Magnesium & Scrap	tonne	993	116661	2373	294359	1266	143710
Manganese & Alloys (Incl. waste & scrap): Total	tonne	454	312175	418	343896	469	375616
Manganese Waste & Scrap	tonne	41	11326	24	5916	32	9094
Manganese & Alloys: (wrought & unwrought)	tonne	413	300767	136	119131	188	106409
Manganese & Alloys Nes	tonne	++	82	258	218849	249	260113
Mercury	tonne	35	237152	58	312409	42	184648
Molybdenum & Scrap	tonne	514	281063	82	122342	119	182537

(contd)

FOREIGN TRADE

Table-4 (concl'd)

		(Value in ₹ '000 )					
Metals & Alloys	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Nickel And Alloys Incl.scrap:Total	tonne	3738	4648645	16890	6532327	2937	4147078
Nickel & Alloys	tonne	2455	3935390	15634	5830642	2269	3763280
Nickel Scrap	tonne	1283	713255	1256	701685	668	383798
Other Rare Metals Nes	tonne	++	617	++	20064	++	366
Pig & Cast Iron (Incl. Speigeliessen)	tonne	346759	10053234	440432	10737676	1123792	30155194
Platinum Alloys & Related Metals: Total	kg	937	2197416	604	1681684	616	3535012
Platinum (powder, unwrought & others)	kg	395	739052	259	524194	507	552422
Other Metals of Platinum Group	kg	542	1458364	345	1157490	109	2982590
Platinum-clad Base metal/ Precious Metal	kg	++	254	--	--	700	50
Precious Metals / Metals Clad With Precious Metals	tonne	3354	7297957	1054	4499703	3827	13371985
Selenium	tonne	27	58603	18	46422	40	43423
Silicon	tonne	203	29967	175	19030	159	23239
Silver	tonne	32	818436	30	680127	615	33934966
Silver clad Base Metals	kg	1354	4637	3898	12268	6026	23892
Tantalum & Scrap: Total	tonne	6	83897	3	40266	5	55163
Tantalum Alloys Unwrought	tonne	6	81959	3	37811	5	54121
Tantalum & Scrap	tonne	++	1938	++	2455	++	1042
Tellurium	tonne	++	419	++	122	++	37
Tin & Alloys Incl. Scrap: Total	tonne	853	718271	944	740863	750	784385
Tin & Alloys	tonne	534	688881	681	694813	570	731861
Tin & Alloys : Worked	tonne	317	28782	263	46041	178	51368
Tin (scrap)	tonne	2	608	++	9	2	1156
Titanium & Alloys (incl. waste & scrap)	tonne	315	272934	486	546039	253	443579
Tungsten Alloys & Scrap	kg	466667	1254344	313499	870314	292331	835275
Zinc and Alloys Incl. Scrap: Total	tonne	195880	41899904	212702	40372945	300018	55103971
Zinc & Alloys	tonne	195761	41882283	212592	40361623	299936	55094321
Zinc (scrap)	tonne	119	17621	110	11322	82	9650
Zirconium & Scrap	tonne	3	18425	++	21799	++	24791

**Source:** DGCIS, Kolkata

++: Negligible

\*\*: Quantity not additive

Total may not tally due to rounding off

FOREIGN TRADE

**Table-5 : Value of Exports of Metals and Alloys, 2018-19 to 2020-21  
(By Principal Metals & Alloys)**

Metals & Alloys	2018-19		2019-20		2020-21 (P)		% increase (+) or decrease (-) in 2020-21 over 2019-20
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
<b>All Metals &amp; Alloys</b>	<b>1742867821</b>	<b>100</b>	<b>1660987438</b>	<b>100</b>	<b>2072220863</b>	<b>100</b>	<b>24.76</b>
Iron & Steel	1022758437	58.68	1019955563	61.41	1225105321	59.12	20.11
Aluminium and Alloys							
Incl. Scrap	398756249	22.88	361046684	21.74	427759670	20.64	18.48
Ferroalloys	149622729	8.58	118100709	7.11	127735114	6.16	8.16
Copper & Alloys (Incl. Brass & Bronze)	70029611	4.02	60527102	3.64	102064524	4.93	68.63
Zinc and Alloys Incl. Scrap	41899904	2.40	40372945	2.43	55103971	2.66	36.49
Silver	818436	0.05	680127	0.04	33934966	1.64	4889.50
Pig & Cast Iron (incl. speigeliessen)	10053234	0.58	10737676	0.65	30155194	1.46	180.84
Lead and Alloys Incl. Scrap	28199782	1.62	26422498	1.59	25845466	1.25	-2.18
Gold (non-monetary & monetary):Total	1441335	0.08	5742699	0.35	18895717	0.91	229.04
Precious Metals / Metals Clad with Precious Metals	7297957	0.42	4499703	0.27	13371985	0.65	197.17
Nickel and Alloys Incl. Scrap	4648645	0.27	6532327	0.39	4147078	0.2	-36.51
Platinum Alloys & Related Metals	2197416	0.13	1681684	0.10	3535012	0.17	110.21
Antimony Alloys and Scrap	1242871	0.07	927375	0.06	932922	0.05	0.60
Tungsten and Alloys Incl. Scrap	1254344	0.07	870314	0.05	835275	0.04	-4.03
Tin and Alloys Incl. Scrap	718271	0.04	740863	0.04	784385	0.04	5.87
Titanium & Alloys (Incl. Waste & Scrap)	272934	0.02	546039	0.03	443579	0.02	-18.76
Manganese & Alloys (Incl Waste &	312175	0.02	343896	0.02	375616	0.02	9.22
Cobalt & Alloys (Incl Waste and Scrap)	425191	0.02	220380	0.01	364327	0.02	65.32
Mercury	237152	0.01	312409	0.02	184648	0.01	-40.90
Molybdenum & Scrap	281063	0.02	122342	0.01	182537	0.01	49.20
Other Metals and Alloys	400085	0.02	604103	0.04	463556	0.02	-23.27

*Source: DGCI & S, Kolkata*

*Note: Total may not tally due to rounding off*

FOREIGN TRADE

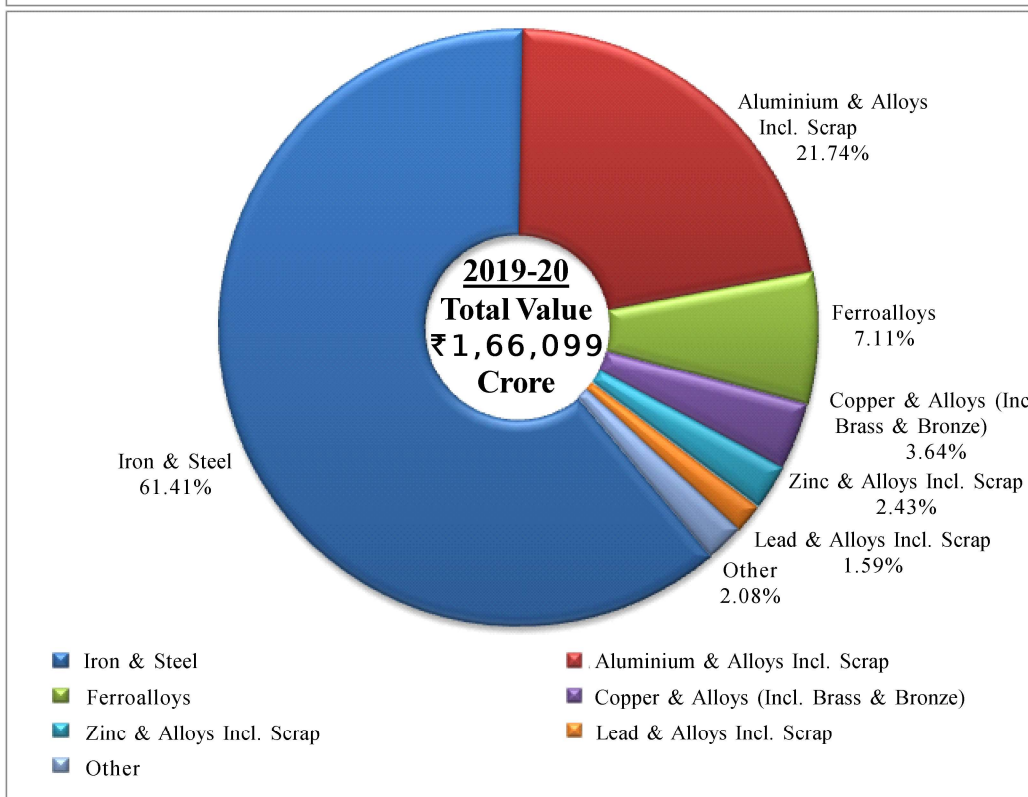
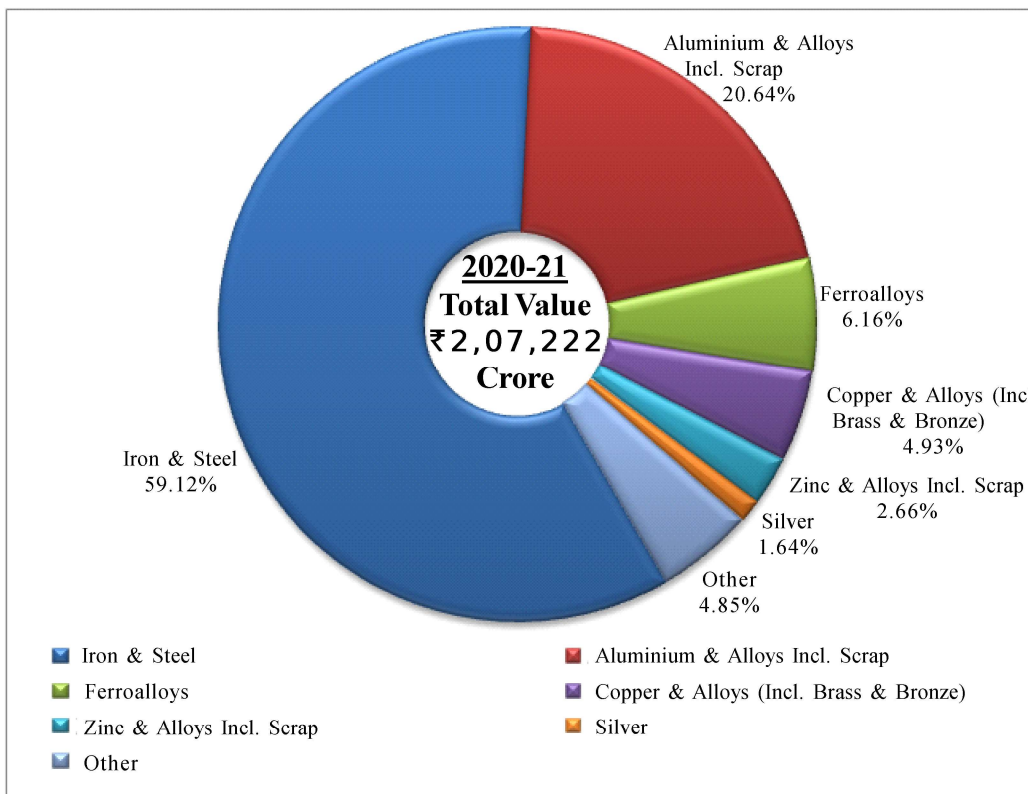
**Table-6 : Value of Exports of Metals and Alloys, 2018-19 to 2020-21  
(By Principal Countries)**

Country	2018-19		2019-2020		2020-21 (P)		% increase (+) or decrease (-) in 2020-21 over 2019-20
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
<b>All Countries</b>	<b>1742867821</b>	<b>100</b>	<b>1660987438</b>	<b>100</b>	<b>2072220863</b>	<b>100</b>	<b>24.76</b>
China	50858257	2.92	74601591	4.49	282137796	13.62	278.19
USA	204501005	11.73	183309784	11.04	181147665	8.74	-1.18
Malaysia	87285937	5.01	113572297	6.84	125849163	6.07	10.81
Korea, Rep. of	95671262	5.49	104730742	6.31	117726820	5.68	12.41
UAE	98180488	5.63	99533217	5.99	94721649	4.57	-4.83
Vietnam	42944571	2.46	87603977	5.27	89994420	4.34	2.73
Italy	93754961	5.38	74776642	4.50	88655244	4.28	18.56
Nepal	98029669	5.62	88483203	5.33	86311070	4.17	-2.45
UK	40610536	2.33	34404603	2.07	67194772	3.24	95.31
Belgium	54687323	3.14	41428319	2.49	50892573	2.46	22.84
Taiwan	40101093	2.30	36440572	2.19	46133098	2.23	26.60
Germany	47721830	2.74	43590629	2.62	42938548	2.07	-1.50
Thailand	36161132	2.07	33538503	2.02	42712830	2.06	27.35
Bangladesh	45970820	2.64	46545576	2.80	41676869	2.01	-10.46
Singapore	20434570	1.17	15657027	0.94	37943474	1.83	142.34
Indonesia	28580338	1.64	24313402	1.46	34626189	1.67	42.42
Saudi Arabia	28495676	1.63	28852422	1.74	34252627	1.65	18.72
Spain	43789125	2.51	28551673	1.72	32978681	1.59	15.51
Canada	23383598	1.34	30498069	1.84	31322349	1.51	2.70
Japan	35124228	2.02	28381267	1.71	29959601	1.45	5.56
Netherlands	38288315	2.20	28229925	1.70	29377804	1.42	4.07
Turkey	48998670	2.81	15187741	0.91	27009450	1.3	77.84
Oman	14163958	0.81	19834532	1.19	25806700	1.25	30.11
Brazil	20841849	1.20	20356436	1.23	24931404	1.2	22.47
Mexico	35476001	2.04	20240203	1.22	22986274	1.11	13.57
Sri Lanka	19607774	1.13	20424545	1.23	22297606	1.08	9.17
Australia	13932818	0.80	14102349	0.85	21192418	1.02	50.28
Switzerland	1549102	0.09	5839518	0.35	16039870	0.77	174.68
Poland	16085142	0.92	14585426	0.88	15982508	0.77	9.58
Kenya	9620489	0.55	7106422	0.43	15616109	0.75	119.75
Qatar	19983081	1.15	13081294	0.79	15262845	0.74	16.68
France	14346022	0.82	15438443	0.93	14999110	0.72	-2.85
Russia	8054201	0.46	11073961	0.67	13891831	0.67	25.45
Greece	7394768	0.42	4773947	0.29	13470442	0.65	182.17
Hong Kong	5323812	0.31	5977392	0.36	12890895	0.62	115.66
Egypt	11673591	0.67	10833409	0.65	12579893	0.61	16.12
Philippines	11883453	0.68	8697510	0.52	12534275	0.6	44.11
South Africa	10621781	0.61	9251850	0.56	11756736	0.57	27.07
Nigeria	13252634	0.76	12649001	0.76	9324379	0.45	-26.28
Ethiopia	8734445	0.50	9280316	0.56	8142745	0.39	-12.26
Portugal	5049104	0.29	5936076	0.36	8071537	0.39	35.97
Tanzania, united Rep. of	7613513	0.44	4939038	0.30	7631409	0.37	54.51
Romania	3660198	0.21	4065640	0.24	6650468	0.32	63.58
Israel	5360101	0.31	6397412	0.39	6434422	0.31	0.58
Ghana	4822993	0.28	4772362	0.29	5905126	0.28	23.74
Other countries	170243587	9.77	149099175	8.98	132259169	6.38	-11.29

Source: DGCI & S, Kolkata

FOREIGN TRADE

Value of Exports of Metals and Alloys, 2019-20 and 2020-21  
(By Principal Metals & Alloys)





FOREIGN TRADE

**Table- 7 : Exports of Selected Mineral-based Products, 2018-19 to 2020-21**

(Value in ₹ '000)

Mineral-based Product	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
<b>All Item</b>		**	<b>2746887418</b>	**	<b>2601579579</b>	**	<b>1630698738</b>
Aluminium Fluoride	tonne	442	36259	1362	120976	2045	187158
Asbestos Cement Products	tonne	67352	970411	91101	1447617	89833	1444464
Asbestos Fibre Products	tonne	41641	5252131	43298	5071610	41739	5548536
Bleaching Powder	tonne	21327	592187	23948	677278	21509	734237
Boric Acid	tonne	1319	107103	1520	121969	1952	160749
Briquets of Coke, Semi-coke of Coal	tonne	80	605	210	1722	51	728
Calcium Carbide	tonne	325	20383	370	24367	129	11213
Caustic Soda	tonne	172157	7166280	187484	5453186	275516	6028001
Cement : Total	tonne	5824303	20293763	2840277	9539871	2806874	8761533
Cement (others)	tonne	209898	763211	129760	480668	166359	642298
Cement (portland grey)	tonne	2014672	6837612	1892277	6173135	1528080	4528743
Cement (portland white)	tonne	29183	215183	18164	176655	18384	179863
Cement Clinker	tonne	3570550	12477757	800076	2709413	1094051	3410629
Cryolite and Chiolite	tonne	71	9001	52	4296	149	8467
Graphite (artificial)	tonne	31586	3745540	24745	3555899	21744	2820004
Graphite Bricks & Shapes	tonne	597	5708	95	5141	515	8408
Graphite Crucibles	tonne	56	6888	20	2256	416	28081
Hydrofluoric Acid	tonne	2198	211814	2474	237996	1931	164258
Manganese Oxide: Total	tonne	18034	928686	28485	1382052	29116	1357914
Manganese Dioxide	tonne	2528	118444	11412	549640	4476	227849
Manganese Oxides (other than Mn Dioxide)	tonne	15506	810242	17073	832412	24640	1130065
Petroleum Products: Total*	'000 tonne	61096	2676970000	65685	2540180000	56769	1571680000
Non-Ferrous Ash & Residues	tonne	168329	618622	417955	1739634	319494	514364
Non-Ferrous Ash & Residues	tonne	167197	613243	415378	1707211	317963	491875
Non-Ferrous Base Metals Scrap	tonne	1132	5379	2577	32423	1531	22489
Other Refractory Manufactures	tonne	56851	5484462	37658	5065199	64780	6895845
Phosphoric Fertilizers	tonne	6947	94621	172	13729	385	15631
Phosphoric Acid	tonne	359	30928	2630	196837	460	50475
Phosphorus (elemental)	tonne	610	224679	650	256687	583	246040
Potash Fertilizer	tonne	41323	1223815	29565	1014818	26583	673799
Potassium Nitrate	tonne	805	154987	985	168082	827	165914
Refractory Bricks	tonne	253457	13895206	226260	14825818	291949	13735641
Silicon Carbide Crucibles	tonne	3128	671351	3023	690399	3728	624851
Slag (dross etc. from iron & steel exc. granules)	tonne	148858	507380	131880	702416	152818	951045
Soda Ash	tonne	62453	1520232	137747	2713657	149930	1376038
Sodium Nitrate	tonne	7	1222	149	7890	272	10289
Sodium Nitrite	tonne	15180	759377	14465	661146	15629	727353
Sulphur (sublimed precipitated & colloidal): Total	tonne	18077	2128393	16811	1917964	15756	1777105
Sulphur (colloidal)	tonne	3	211	++	24	++	9
Sulphur Precipitated	tonne	++	92	1	155	2	543
Sulphur Sublimed	tonne	18074	2128090	16810	1917785	15754	1776553
Titanium Oxide&Dioxide: Total	tonne	37084	3255384	38506	3779067	28419	2990597
Titanium Dioxide	tonne	7340	1274277	6231	1065352	6481	1152120
Titanium Oxide (Other than Titanium Dioxide)	tonne	29744	1981107	32275	2713715	21938	1838477

Source: 1) DGCI & S, Kolkata

\*Source: Ministry of Petroleum & Natural Gas Basic Statistics

\*\* : Quantity not additive

FOREIGN TRADE

**IMPORTS**

**Ores and Minerals**

The value of imports of ores & minerals in 2020-21 accounted for 34.26% of the total value of all merchandise imported into India. During 2020-21, the total value of imports of ores and minerals at ₹ 7,91,320 crore registered a decrease of 31.28% as compared to ₹ 11,51,530 crore in the year 2019-20.

Petroleum (crude) continued to be the largest constituent item with a share of 55.56% in the total value of minerals imported in 2020-21. Next in order of importance were diamond with a share of 16.22%, coal (ex.lignite) with 14.67% and natural gas with 7.37%. The combined share of these four minerals was 93.82% in 2020-21 as against 95.36% in the previous year.

The value of imports of some ores & minerals in 2020-21 has increased as in the cases of manganese ore (33.82%), sulphur (exe.sublimed ppt & colloidal) (32.82%), bauxite (26.73%), Precipited & semi-previous stone (cut & uncut) (16.37%), alumina (15.38%), zirconium ores & conc.(15.15%), kaolin (12.66%), borax (12.28%) and chromite (9.33%) as compared to that in the previous year. However, the value of imports in some cases significantly declined as in emerald (cut & uncut) (67.23%), petroleum (crude) (39.62%), marble (32.87%), copper ores & conc. (31.85%), granite (28.53%), coke (26.60%), coal (ex lignite) (24.02%), dolomite (22.58%), magnesite (19.12%), fluorspar (15.71%), natural gas (14.81%) and diamond (13.71%) during the year under review over the previous year.

During 2020-21, ores and minerals were imported from various countries. Bulk of ores & minerals having share more than 1% to total value were imported from 16 countries. These 16 countries, accounted for about 85.36% of the total value of ores & minerals imported in 2020-21. UAE occupied the top position in 2020-21 in terms of imports value and accounted for 12.86% of the total mineral imports. Next in the order was Iraq with 12.03% share followed by USA (10.58%), Saudi Arabia (10.09%), Australia (6.21%), Nigeria (5.17%), Indonesia (5%), Qatar (3.91%), Belgium (3.34%), South Africa (3.05%), Kuwait (2.93%), Hong Kong (2.75%), Russia (2.23%), Mexico (1.85%), Angola (1.74%) and Oman (1.62%). The individual share of remaining countries was less than one per cent.

Countrywise analysis of value of imports of ores and minerals in 2020-21 revealed that imports value from Gabon reported increase of about eight times (695.50%); Colombia by over three times (236.51%). The other countries which recorded significant increase in the value of imports of ores and minerals during the year were France (68.91%), Oman (25.27%), Sudan (10.35%), Israel (8.76%) and USA (3.74%). However, imports value showed a decline in respect of Venezuela (88.83%), Algeria (78.16%), Kazakhstan (61.26%), Equitl Guinea (70.01%), Congo (58.93%), Malaysia (41.81%), Mozambique (40.83%), Mexico (37.79%), Botsawana (37.78%), China (36.83%), Belgium (27.12%) and Australia (15.15%). (Tables - 8 to 10).

**Table - 8 : Imports of Ores & Minerals, 2018-19 to 2020-21**

		(Value in ₹ '000)					
Ores & Minerals	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
<b>All Minerals</b>		**	<b>12991864206</b>	**	<b>11515303006</b>	**	<b>7913202918</b>
Abrasives (Natural)	tonne	4941	74317	4234	59872	3221	55212
Alabaster	tonne	1378	39474	1040	32801	826	27872
Alumina	tonne	2856524	102946453	1844483	49829384	2334786	57491719
Andalusite	tonne	14263	355232	17618	425962	15217	428831
Antimony Ores and Concs.	tonne	7496	1609649	7656	1265983	5977	1072406
Arsenic Sulphide (natural)	tonne	7	557	7	995	4	570
Asbestos: Total	tonne	364107	12253121	361163	12432333	308506	11851124
Asbestos (chrysotile)	tonne	363903	12246919	360839	12422164	308100	11840174
Asbestos (others)	tonne	204	6202	324	10169	406	10950

(contd)

FOREIGN TRADE

Table-8 (contd)

		(Value in ₹ '000)					
Ores & Minerals	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Ballclay	tonne	175253	1579468	126794	1115239	65828	765439
Barytes	tonne	11498	266740	15436	427967	11691	313860
Bauxite	tonne	2254595	13364136	2246681	10817757	3034041	13709540
Bentonite	tonne	57232	868080	72618	882272	90933	1019395
Borax: Total	tonne	181625	5886234	176421	5644322	194448	6337254
Natural Borate	tonne	85217	2206203	84699	2157324	83207	2113660
Sodium Borate	tonne	86687	3101905	81531	2776165	101477	3557620
Other Borates	tonne	9721	578126	10191	710833	9764	665974
Building & Monumental Stones Nes	tonne	201754	850408	47971	523956	16327	360034
Calcite	tonne	71713	346401	63458	302799	67643	374975
Chalk	tonne	254	6143	105	4131	66	2661
Chromite: Total	tonne	162663	3154448	124693	2065047	156211	2257733
Chrome Ore Others	tonne	31290	630140	42983	739986	73353	1015587
Chrome Ore Conc.	tonne	2970	104952	891	24896	4013	93937
Chrome Ore Lumps	tonne	128403	2419356	80819	1300165	78845	1148209
Clay (Others)	tonne	17482	319967	20961	317309	12562	241521
Coal (Ex lignite)	'000 tonnes	235355	1709323903	248545	1527478152	215260	1160506410
Coal:lignite	'000 tonnes	1	8171	1	5170	1	5746
Cobalt Ores & Conc.	tonne	1	4476	2	9253	++	325
Coke	tonne	4933340	120756969	2912775	61067396	2463036	44821773
Copper Ores & Conc.	tonne	823938	121462018	821555	86675247	415136	59071579
Corundum (Natural)	tonne	--	--	--	--	1	79
Diamond: Total		**	1779709897	**	1487354319	**	1283511854
Diamond (Industrial)	Carat	5120796	3864006	10427197	6024784	8725537	4362112
Diamond (mostly cut)	Carat	**	1773772349	**	1479515995	**	1277251339
Diamond Powder	'000 Carat	763772	2073542	816431	1813540	839962	1898403
Diatomite	tonne	3647	139462	4950	152229	7099	212766
Dolomite	tonne	5869534	6743265	5539814	6555288	3505151	5075300
Earth Clay	tonne	18	4254	2	343	3	450
Emerald (cut & uncut)		**	36592287	**	24403510	**	7997796
Emerald (uncut)	tonne	45	14833395	136	13871900	49	6640030
Emerald (cut)	'000 Carat	51013	21758892	90367	10531610	9842	1357766
Felspar (natural)	tonne	9490	100613	8198	101216	13187	78978
Felspar (cut & uncut)		**	96750	**	83631	**	8094
Felspar (uncut)	tonne	1	75191	14	67870	1	3741
Felspar (cut)	'000 Carat	3612	21559	2142	15761	883	4353
Fireclay	tonne	1293	88521	1896	100241	2326	100595

(contd.)

FOREIGN TRADE

Table-8 (contd)

(Value in ₹ '000)

Ores & Minerals	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Flint	tonne	6886	76018	6279	62362	9209	85170
Fluorspar	tonne	265443	7281833	239589	7225937	220573	6090596
Garnet (abrasive)	tonne	422	6410	391	6189	345	14712
Garnet( cut and uncut)		**	169836	**	184466	**	97335
Garnet (uncut)	tonne	26	124214	56	129065	11	64770
Garnet (cut)	'000 ct	6143	45622	4969	55401	1437	32565
Granite : Total	tonne	61960	1940629	56169	1846960	37304	1320021
Granite(crude or roughly trimmed)	tonne	41224	1085462	38755	1011671	25874	829212
Granite (cut blocks/slabs)	tonne	14444	353100	11265	270578	7071	175377
Granite (polished blocks/tiles)	tonne	757	36138	674	24389	1501	51776
Granite (others)	tonne	5535	465929	5475	540322	2858	263656
Graphite (natural)	tonne	47057	2328880	41405	1863220	40153	1808218
Gypsum & Plaster	tonne	6186253	9473416	5460746	8415195	4762012	7372934
Iron Ore: Total	'000 tonnes	12807	59136708	1245	9409772	766	8445221
Iron Ore Conc:Non-agglomerated	'000 tonnes	532	3533497	420	3063619	154	1484523
Iron Ore Fines	'000 tonnes	8436	28976776	223	1291301	++	852
Iron Ore Lumps	'000 tonnes	3196	19735797	543	4530382	166	1800782
Iron Ore pelletes	'000 tonnes	640	6832112	54	438140	379	4612581
Iron Ore Pyrites	'000 tonnes	3	58526	5	86330	67	546483
Kaolin	tonne	229733	3581700	231662	3933899	237144	4431804
Kieselgurh	tonne	42	3994	66	9247	10	1543
Kyanite	tonne	997	27590	1112	33476	1238	42080
Lead Ores & Concs.	tonne	1499	85468	3283	166725	5473	325104
Limestone	tonne	24397169	36665171	25639508	37429909	22797801	32911759
Magnesite : Total	tonne	464365	11120844	365053	9468163	364577	7657838
Magnesia (fused)	tonne	21129	1630684	16325	823312	25215	1135547
Magnesite (not calcined)	tonne	115539	390376	63874	185153	57993	159537
Magnesite (calcined)	tonne	36157	1542204	50567	1645695	59514	919930
Magnesite:Dead-Burnt Magnesia	tonne	144069	4911912	160465	5018483	133034	3360002
Magnesium Oxide	tonne	48882	1436253	55765	1208334	63442	1402374
Magnesite (other)	tonne	98589	1208815	18057	587186	25379	680448
Manganese Ore: Total	tonne	2784473	48484512	4316572	41282100	4058590	55242138
Manganese Ore (46% or more Mn)	tonne	219963	5275364	191766	3997776	182048	3156903
Manganese Ore (35% or more but below 46% Mn)	tonne	1641886	29972597	1871739	26995931	2942210	39070738
Manganese Ore (30% or more but below 35% Mn)	tonne	395736	4809679	432072	4049808	449497	3789163

(Contd)

FOREIGN TRADE

Table-8 (contd)

		(Value in ₹ '000)					
Ores & Minerals	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Manganese Ore (Ferruginous,10 % or more but below 30% Mn)	tonne	98443	881294	47639	394579	168371	1218726
Manganese Ore (others)	tonne	428445	7545578	1773356	5844006	316464	8006608
Marble : Total	tonne	997194	20190596	951361	17923694	645253	12032307
Marble (dressed)	tonne	916566	14896711	900860	14764327	623229	10660272
Marble (others)	tonne	80628	5293885	50501	3159367	22024	1372035
Mica: Total	tonne	3684	1172720	3645	1280925	2987	1252020
Mica (unmanufactured)	tonne	1951	133078	1626	135689	1273	140981
Mica (blocks)	tonne	116	6825	218	11184	56	15557
Mica (powder)	tonne	870	70520	535	63928	542	75765
Mica (splittings)	tonne	503	35978	461	43169	515	43414
Mica (waste & scrap)	tonne	462	19755	412	17408	160	6245
Mica (worked)	tonne	1733	1039642	2019	1145236	1714	1111039
Mica (cond. films, plates, cuts Nes)	tonne	11	15521	33	33469	53	55589
Mica (washers & discs)	tonne	++	343	++	2	++	55
Mica (sheets & strips)	tonne	269	44738	156	32761	101	20939
Micanite & Other built-up mica	tonne	--	--	--	--	--	--
Mica (Bricks)	tonne	--	--	--	--	++	406
Mica Worked (others)	tonne	1453	979040	1830	1079004	1560	1034050
Molybdenum Ores & Conc.	tonne	11028	13606784	7901	9809780	9177	8848441
Natural Gas	tonne	21544664	738878610	24416607	684667281	25054872	583289424
Nickel Ores & Concs.	tonne	++	169	++	204	37	6404
Niobium or Tantalum ores and concs.	tonne	156	264455	16	21764	2	489
Ochre: Total	tonne	38	11796	188	35754	391	82224
Ochre: Earth Colours	tonne	7	2857	152	14871	228	18018
Ochre:Yellow Ochre	tonne	2	1582	7	6286	7	6308
Ochre: Persian Red	tonne	++	50	++	147	--	--
Ochre: Red Oxide	tonne	29	7307	29	14450	156	57898
Petroleum (crude)	'000 tonnes	226452	7981583190	220869	7281122511	188182	4396561618
Precious & Semi-precious Stones (Cut & uncut):Total		**	48292001	**	41191154	**	47935435
Precious & Semi-precious Stones (uncut)	tonne	2493	24610115	2435	6169055	2024	6847282
Precious & Semi-precious Stones Cut	'000 ct	726883	23681886	623818	35022099	432603	41088153
Precious Metal Ores & Concentrates	kg	201	159	273	736	10743	48509

(Contd)

FOREIGN TRADE

Table-8 (concl'd)

		(Value in ₹ '000)					
Ores & Minerals	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Quartz & Quartzite: Total	tonne	1662	54632	1155	40682	1098	50333
Quartz (Natural)	tonne	223	6568	718	9960	206	6940
Quartzite (Natural)	tonne	1439	48064	437	30722	892	43393
Rock Phosphate/Phosphorite	tonne	7519155	56379205	7654867	54205952	7781423	53709109
Salt (other than common salt)	tonne	78712	472879	65263	466170	98042	645494
Sand, Excl. Metal Bearing	tonne	390328	843983	198862	502131	57812	400291
Sandstone	tonne	48	973	28	693	16	480
Silica Sand	tonne	60896	400142	21392	218841	21356	238740
Sillimanite	tonne	99	2403	609	10781	606	11571
Slate	tonne	225	6867	111	3818	49	3784
Steatite : Total	tonne	7028	324573	5809	325939	5332	344649
Steatite Blocks	tonne	201	2619	170	1744	--	--
Steatite Lumps	tonne	1254	7027	724	2205	156	501
Steatite Powder & Others	tonne	5573	314927	4915	321990	5176	344148
Sulphur (excl. sublimed, ppt. & colloidal)	tonne	1346775	15219696	1235102	8239656	1463291	10948268
Tin Ores & Concs.	tonne	6	1259	++	206	2	889
Titanium Ores & Conc.: Total	tonne	97307	3013231	138042	3965292	78747	3440562
Titanium Ores and Conc.(ileminite)	tonne	70275	1250833	109771	1963147	43894	907344
Titanium Ores and Conc. (rutile)	tonne	20825	1500943	20589	1689194	29562	2224774
Titanium Ores and Conc. (others)	tonne	6207	261455	7682	312951	5291	308444
Tripoli Earth	tonne	8	238	19	1116	--	--
Tungsten Ores & Concs.	tonne	461	64520	447	69234	121	9104
Vanadium Ores & Others	tonne	2658	451825	7006	349104	999	77967
Vermiculite (raw)	tonne	610	16154	416	11024	696	17234
Witherite	tonne	++	96	7	263	++	10
Wollastonite	tonne	26483	331612	22616	294800	24049	370375
Zinc Ores & Concs.	tonne	1422	38776	101	2667	804	9530
Zirconium Ores & Conc.	tonne	76077	8084381	56166	6073420	68675	6993378
Other Minerals Nes	tonne	683347	2821858	641544	2995670	544580	2325905

**Source:** DGCI & S, Kolkata

++: Negligible

\*\*: Quantity not additive

**Note:** Total may not tally due to rounding off

FOREIGN TRADE

**Table -9 : Value of Imports of Ores & Minerals (including Re-import), 2018-19 to 2020-21  
(By Principal Minerals)**

Ores & Minerals	2018-19		2019-20		2020-21 (P)		% increase (+) or decrease (-) in 2020-21 over 2019-20
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
<b>All Minerals</b>	<b>12991864206</b>	<b>100.00</b>	<b>11515303006</b>	<b>100.00</b>	<b>7913202918</b>	<b>100.00</b>	<b>-31.28</b>
Petroleum (crude)	7981583190	61.44	7281122511	63.23	4396561618	55.56	-39.62
Diamond	1779709897	13.70	1487354319	12.92	1283511854	16.22	-13.71
Coal (ex lignite)	1709323903	13.16	1527478152	13.26	1160506410	14.67	-24.02
Natural Gas	738878610	5.69	684667281	5.95	583289424	7.37	-14.81
Copper Ores & Conc.	121462018	0.93	86675247	0.75	59071579	0.75	-31.85
Alumina	102946453	0.79	49829384	0.43	57491719	0.73	15.38
Manganese Ore	48484512	0.37	41282100	0.36	55242138	0.70	33.82
Rock Phosphate	56379205	0.43	54205952	0.47	53709109	0.68	-0.92
Precious & Semi-precious Stones (cut & uncut):Total	48292001	0.37	41191154	0.36	47935435	0.61	16.37
Coke	120756969	0.93	61067396	0.53	44821773	0.57	-26.60
Limestone	36665171	0.28	37429909	0.33	32911759	0.42	-12.07
Bauxite	13364136	0.10	10817757	0.09	13709540	0.17	26.73
Marble	20190596	0.16	17923694	0.16	12032307	0.15	-32.87
Asbestos	12253121	0.09	12432333	0.11	11851124	0.15	-4.67
Sulphur (exc. sublimed precipitated & colloidal)	15219696	0.12	8239656	0.07	10948268	0.14	32.87
Molybdenum Ores & Conc.	13606784	0.10	9809780	0.09	8848441	0.11	-9.80
Iron Ore	59136708	0.46	9409772	0.08	8445221	0.11	-10.25
Emerald (cut & uncut)	36592287	0.28	24403510	0.21	7997796	0.10	-67.23
Magnesite	11120844	0.09	9468163	0.08	7657838	0.10	-19.12
Gypsum	9473416	0.07	8415195	0.07	7372934	0.09	-12.39
Zirconium Ores & Conc.	8084381	0.06	6073420	0.05	6993378	0.09	15.15
Borax	5886234	0.05	5644322	0.05	6337254	0.08	12.28
Fluorspar	7281833	0.06	7225937	0.06	6090596	0.08	-15.71
Dolomite	6743265	0.05	6555288	0.06	5075300	0.06	-22.58
Kaolin	3581700	0.03	3933899	0.03	4431804	0.06	12.66
Titanium ores & conc.	3013231	0.02	3965292	0.03	3440562	0.04	-13.23
Chromite	3154448	0.02	2065047	0.02	2257733	0.03	9.33
Graphite (Natural)	2328880	0.02	1863220	0.02	1808218	0.02	-2.95
Granite	1940629	0.01	1846960	0.02	1320021	0.02	-28.53
Mica	1172720	0.01	1280925	0.01	1252020	0.02	-2.26
Other Minerals	13237368	0.10	11625431	0.10	10279745	0.13	-11.58

*Source: DGCI&S, Kolkata*

*P:Provisional*

FOREIGN TRADE

**Table- 10 : Value of Imports of Ores & Minerals (including Re-import), 2018-19 to 2020-21  
(By Principal Countries)**

Country	2018-19		2019-20		2020-21 (P)		% increase (+) or decrease (-) in 2020-21 over 2019-20
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
<b>All Countries</b>	<b>12991864206</b>	<b>100</b>	<b>11515303006</b>	<b>100</b>	<b>7913202918</b>	<b>100</b>	<b>-31.28</b>
UAE	1149114932	8.84	1242431153	10.79	1017894598	12.86	-18.07
Iraq	1558441339	12.00	1613786345	14.01	951898110	12.03	-41.01
USA	822173562	6.33	806756883	7.01	836948848	10.58	3.74
Saudi Arabia	1503843212	11.58	1446490894	12.56	798697210	10.09	-44.78
Australia	772386316	5.95	579300065	5.03	491512945	6.21	-15.15
Nigeria	744982826	5.73	711621877	6.18	409344897	5.17	-42.48
Indonesia	546544894	4.21	485969389	4.22	395918292	5.00	-18.53
Qatar	465533600	3.58	414677870	3.60	309014143	3.91	-25.48
Belgium	463567548	3.57	362970553	3.15	264518200	3.34	-27.12
South Africa	264851178	2.04	285908142	2.48	241002978	3.05	-15.71
Kuwait	380661266	2.93	342816907	2.98	231464773	2.93	-32.48
Hong Kong	286504030	2.21	234382027	2.04	217688153	2.75	-7.12
Russia	182165009	1.40	242618163	2.11	176807689	2.23	-27.13
Mexico	299027481	2.30	235589576	2.05	146551950	1.85	-37.79
Angola	279398905	2.15	257426729	2.24	137782628	1.74	-46.48
Oman	110253274	0.85	102239806	0.89	128077798	1.62	25.27
Egypt	77403889	0.60	95506536	0.83	78132837	0.99	-18.19
Brazil	136281783	1.05	84781547	0.74	74961113	0.95	-11.58
Malaysia	186249655	1.43	127928663	1.11	74447498	0.94	-41.81
Colombia	40190756	0.31	20760739	0.18	69861350	0.88	236.51
Kazakhstan	37017910	0.28	152715241	1.33	59168048	0.75	-61.26
Canada	101946334	0.78	108498295	0.94	55949686	0.71	-48.43
Israel	62716249	0.48	45985748	0.40	50015508	0.63	8.76
Venezuela	507311111	3.90	427605020	3.71	47784806	0.60	-88.83
Singapore	75807151	0.58	67570524	0.59	39441256	0.50	-41.63
Turkey	83538064	0.64	68803213	0.60	38261935	0.48	-44.39
Botswana	68085363	0.52	52770671	0.46	32833354	0.41	-37.78
Chile	61098272	0.47	59936479	0.52	32458431	0.41	-45.85
Gabon	27626635	0.21	3284695	0.03	26129785	0.33	695.50
Algeria	93014542	0.72	118040691	1.03	25776167	0.33	-78.16
Mozambique	61661953	0.47	42250357	0.37	25000891	0.32	-40.83
Thailand	23855789	0.18	28395961	0.25	24462173	0.31	-13.85
Brunei	41031826	0.32	41534342	0.36	24057370	0.30	-42.08
Jordan	21974768	0.17	23545576	0.20	21341424	0.27	-9.36
Equatl Guinea	43959177	0.34	67957388	0.59	20383646	0.26	-70.01
China	83538506	0.64	31195013	0.27	19704470	0.25	-36.83
Poland	22273936	0.17	19767781	0.17	18748083	0.24	-5.16
Japan	20832896	0.16	22063842	0.19	18012309	0.23	-18.36
Ecuador	8997367	0.07	17953281	0.16	17501977	0.22	-2.51
Switzerland	28358256	0.22	17365858	0.15	17499548	0.22	0.77
Morocco	18771919	0.14	18282211	0.16	17442769	0.22	-4.59
Azerbaijan	10143298	0.08	19296611	0.17	16747001	0.21	-13.21
Congo P. Rep.	24307910	0.19	39805443	0.35	16347508	0.21	-58.93
France	7484945	0.06	9169172	0.08	15487655	0.20	68.91
Sudan	38311626	0.29	13775715	0.12	15201154	0.19	10.35
Other countries	1148622948	8.84	303770014	2.64	164919954	2.08	-45.71

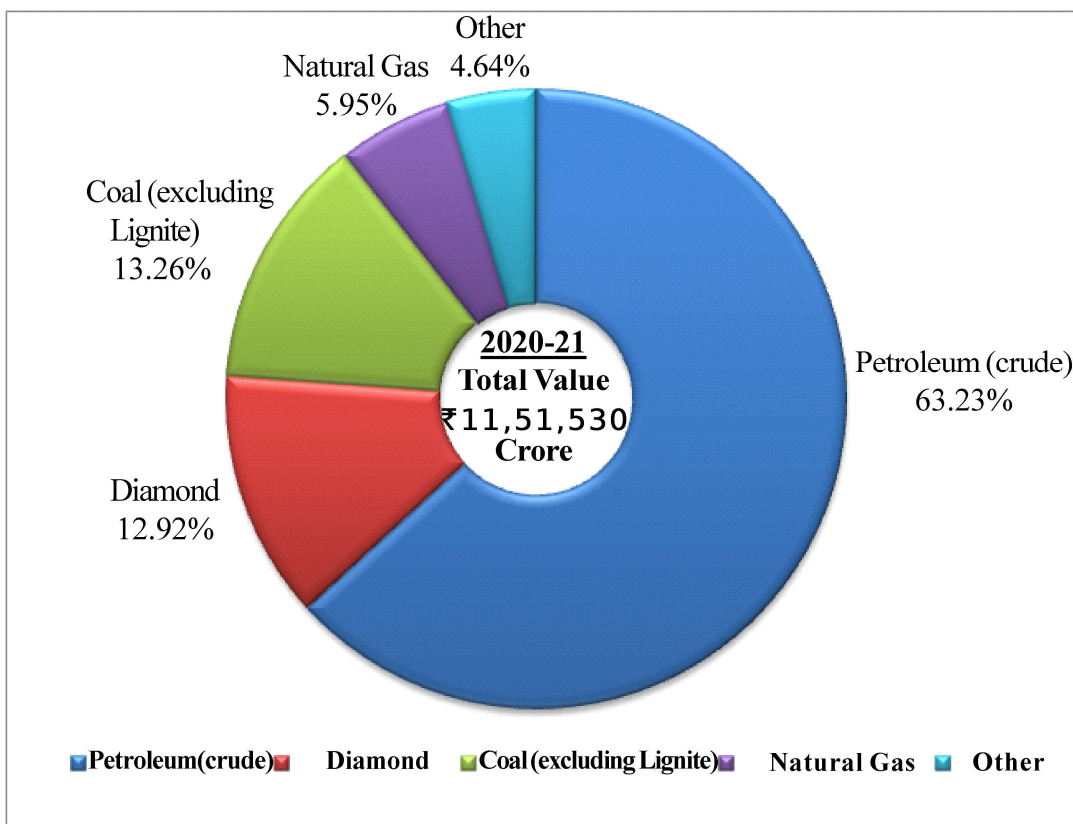
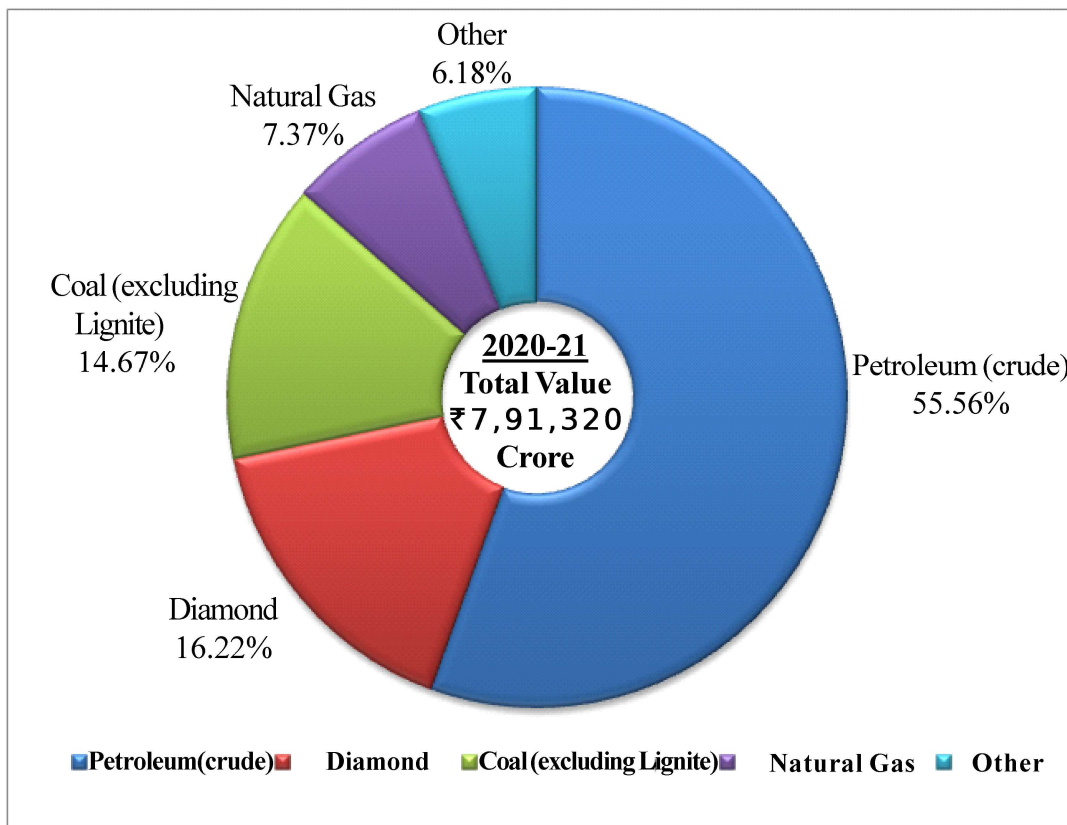
*Source: DGCI&S, Kolkata*

*Note: Total may not tally due to rounding off*



FOREIGN TRADE

Value of Imports of Ores & Minerals, 2019-20 and 2020-21  
(By Principal Minerals)



## Metals & Alloys

The value of imports of metals & alloys at ₹ 4,35,611 crore showed an increase of 4.53% in 2020-21 as compared to ₹ 4,16,727 crore in the previous year. The share of metals & alloys in the total value of all merchandise imported to India was about 12.39 % in 2020-21.

Gold, non-monetary & monetary (total), with a share of 58.38% continued to occupy the top position in the total value of imports of metals and alloys in 2020-21. Iron & steel is placed in the second position and accounted for share of 18.97%, copper & alloys including brass & bronze occupied the third place with a share of 7.84% and aluminium & alloys including scrap occupied the fourth place with a share of 6.87% . Next in the order were silver with 1.37% followed by ferro-alloys, Nickel & Alloys incl. scrap and Lead & alloys incl. scrap, with 1.27%, 1.27% and 1.05% 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 platinum alloys & related metals with 48.52%; precious metals/metal clad with precious metals 992.10%; silicon 35.61%; and gold 27.62% in 2020-21 as compared to that in the previous year. On the other hand, during 2020-21, 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 cobalt alloys & scrap (31.26%), zinc & alloys incl. scrap (25.66%), titanium & alloys (incl. waste & Scrap) (26.43%), cadmium (25.12%), (incl. waste & scrap), iron & steel (18.49%), silver (68.89%) and manganese & alloys (incl. waste & scrap) (20.28%).

India imported metals & alloys from various countries in 2020-21. Bulk of the metals and alloys having share of more than 1% of the total value were imported from 19 countries which accounted for 84.9%

of the total value of metals & alloys imported in 2020-21. Switzerland occupied the top position with a share of 27.59% of the total value of metal imports in 2020-21 followed by UAE in second place with a share of 9.44%. The countries next in order were China in third place with a share of 5.81%, South Africa 5.66% followed by USA at the 5<sup>th</sup> place with share of 4.59% and Republic of Korea at 6<sup>th</sup> place with 4.4%. The other countries with share more than 2% included Japan (3.72%), Singapore 3.36%, Peru (2.55%), UK (2.54%), Guinea 2.43% and Hong Kong (2%). The contribution of countries with share less than 2% but more than 1% included Bolivia (1.95%), Australia (1.67%), Malaysia (1.63%), Ghana (1.54%), Germany (1.5%), Thailand (1.34%), and Vietnam (1.18%). The remaining countries are those with a share less than one per cent.

During the year under review, imports in terms of value from Armenia increased manifold by 14577.62% and for many other countries imports value rose up more than 100%, for instance, Guinea (489.73%), Mozambique (141.56%), Singapore (132.40%) and Philippines (131.83%). The other countries which recorded significant positive growth in imports included South Africa (83.43%), Argentina (53.22%), Bolivia (42.30%), Australia (39.61%), Bahrain (38.84%), and Mexico (36.45%), 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 Indonesia (50.10%), UK (33.25%), Saudi Arabia (33.20%), Malaysia (30.71%), Burkina Faso (30.63%), Ghana (27.44%), Dominican Republic (27.38%), Qatar (21.33%), Rep. of Korea (21.56%) and Bhutan (19.19%). Imports of selected mineral-based products during 2018-19 to 2020-21 are furnished in Table-14. Value of imports of selected mineral-based products at ₹ 1,39,200 crore in the year 2020-21 registered a decrease of 9.7% as compared to that of ₹ 1,54,150 crore in the previous year.

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**Table-11: Imports of Metals and Alloys 2018-19 to 2020-21**

(Value in ₹ '000 )

Metals & Alloys	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
<b>All Metals &amp; Alloys</b>		**	<b>4778433063</b>	**	<b>4167271075</b>	**	<b>4356107118</b>
Aluminium & Alloys Incl. Scrap	tonne	2317632	381662645	2152419	310945506	2060227	299126164
Antimony Alloys & Scrap	tonne	1176	673154	1465	660699	1319	591363
Bismuth & Scrap	tonne	262	192642	192	107726	277	135511
Boron	tonne	++	3316	++	2193	++	1899
Cadmium & Scrap	tonne	8898	1742742	9640	1787948	8249	1338734
Chromium Alloys & Scrap	tonne	1268	1031627	1514	923957	1329	786755
Cobalt Alloys & Scrap: Total	tonne	835	4763695	1294	4216990	802	2898721
Cobalt & Alloys	tonne	832	4760385	1294	4216990	802	2898714
Cobalt & Scrap	tonne	3	3310	--	--	++	7
Copper & Alloys (incl. brass & bronze): Total	tonne	839462	368963437	896848	361304774	744819	341717156
Brass & Bronze	tonne	29944	16093229	23552	12369100	19468	11486251
Brass & Bronze (scrap)	tonne	132409	41057177	144126	39170225	138389	40285631
Copper & Alloys	tonne	597899	287265269	616456	280500278	496358	261483027
Copper (scrap)	tonne	79210	24547762	112714	29265171	90604	28462247
Copper (cement copper precipitated)	tonne	++	5	++	763	39	5489
Ferroalloys : Total	tonne	508006	75734231	483127	63432050	421980	55319083
Ferroboration	tonne	1025	181136	1166	190257	1238	197093
Ferrochrome	tonne	30816	5594082	29999	3893862	39002	4897369
Ferroalloys: charge chrome	tonne	22081	1446124	5654	328099	14004	741433
Ferrocobalt	tonne	--	--	++	1746	++	1402
Ferromanganese	tonne	123110	9695114	95706	6607464	66089	4785976
Ferrolybdenum	tonne	2371	3109993	2531	3120808	2883	3115738
Ferro-nickel	tonne	88320	24319791	113151	25036565	79737	16875880
Ferro-niobium	tonne	3177	6022084	2778	5483410	3026	5857814
Ferro-phosphorous	tonne	3589	102217	2577	71363	2006	55172
Ferrosilicon	tonne	221509	20909224	215181	16171706	194439	16370102
Ferrotitanium	tonne	1378	408958	1157	299792	462	109565
Ferrotungsten	tonne	27	65195	4	9250	13	23282
Ferrovanadium	tonne	713	2881355	595	1143397	480	613762
Ferrozirconium	tonne	297	39969	342	41178	374	51237
Ferro-silico-chrome	tonne	29	5221	37	14448	--	--
Ferro-silico-magnesium	tonne	2271	243875	3128	294705	2765	289625
Ferro-silico-manganese	tonne	3135	204718	6172	344396	10497	546336
Ferro alloys (Others)	tonne	4158	505175	2949	379604	4965	787297
Gold (non-monetary & Monetary): Total	kg	982697	2295364965	719905	1992494952	651238	2542884698
Gold-Monetary	kg	--	--	--	--	--	--
Gold-Non-monetary: Total	kg	982697	2295364965	719905	1992494952	651238	2542884698
Gold, non-monetary, Powder	kg	6	17098	++	471	++	51
Gold, non-monetary: Other							
Semi-manufactured forms	kg	2756	7387110	1981	6047059	1864	7902576
Gold, non-monetary, Other							
Unwrought Forms	kg	979935	2287960757	717924	1986447422	649374	2534982071
Gold-Clad Metal/Base							
Metals Nes	tonne	--	--	++	270	++	1694
Iron & Steel : Total		**	1147881273	**	1013874204	**	826381853
Iron & Steel (finished steel Inc. Cr sheet)	tonne	4246565	377203678	4024286	358688033	3123084	281364644
Iron & Steel (semi-finished steel incl. stl ingo)	tonne	4130608	205456004	3008429	146062138	1848059	97340310
Iron & Steel (steel wire)	tonne	267797	25937468	185193	17301064	151105	15473255
Iron & Steel (sponge iron)	tonne	49063	1000242	65244	1263296	68343	1315159
Iron & Steel (scrap)	tonne	6883781	256694747	6776675	241791670	5393385	213404783
Iron & Steel: alloy Steel (granules)	tonne	23478	1268099	20530	1083770	17284	1015659

(Contd)

FOREIGN TRADE

(Table-11 conclud)

(Value in ₹ '000 )

Metals & Alloys	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
Iron & Steel: alloy Steel (powder)	tonne	4664	840713	3661	579712	2596	590464
Iron & Steel (other finished Steel, Nes): Total	tonne	**	226803135	**	202485991	**	187149323
Iron & Steel material	tonne	639652	37058231	527392	31485891	385727	21247947
Iron & Steel (stainless steel)	tonne	97277	15618956	71949	13132633	39876	7480309
Lead and alloys & scrap: Total	tonne	360254	54754915	348747	49923441	314954	45882809
Lead & alloys	tonne	252587	40998160	256132	37990315	245841	36498550
Lead (scrap)	tonne	107667	13756755	92615	11933126	69113	9384259
Magnesium & scrap	tonne	27884	5141748	24680	4508647	25841	4604195
Manganese & Alloys (incl.waste & scrap): Total	tonne	45867	7676642	45195	6188389	37247	4933243
Manganese & Alloys:(wrought & unwrought)	tonne	45839	7674480	44580	5882186	36890	4838565
Manganese & Alloys Nes	tonne	++	993	598	303087	357	94678
Manganese Waste & Scrap	tonne	28	1169	17	3116	--	--
Mercury	tonne	157	704063	130	472838	112	456185
Molybdenum & Scrap	tonne	490	1698725	429	1545908	430	1540722
Nickel & Alloys Incl. Scrap: Total	tonne	47223	51678356	48425	55491356	56536	55125443
Nickel & Alloys	tonne	45125	50672255	45294	53854179	53248	53022663
Nickel (scrap)	tonne	2098	1006101	3131	1637177	3288	2102780
Other Rare Metals Nes	tonne	299	1469539	150	464961	212	520361
Pig & Cast Iron Incl. Spiegeliesen	tonne	73258	5175323	47749	3618533	36920	3368526
Platinum Alloys & Related Metals	kg	8876	18334593	9299	25809821	10719	38332024
Platinum (Powder, Unwrought & Others)	kg	4859	9548460	4705	10157862	5184	11561645
Other Metals of Platinum Group	kg	4017	8786133	4594	15651959	5535	26770379
Platinum-clad base / Precious Metal	kg	5	14392	6	14483	73	42046
Precious Metals / Metals Clad with Precious Metals	tonne	214	900853	114	482326	328	5267483
Selenium	tonne	374	936735	574	708675	701	681519
Silicon	tonne	64285	8653014	55221	6137456	64800	8323238
Silver	tonne	7472	261886337	5421	191617874	1484	59602766
Silver-clad Base Metal	kg	7503	112775	574	5565	500	7518
Tantalum & Scrap: Total	tonne	2	139944	1	83353	1	92405
Tantalum Alloys Unwrought	tonne	2	139366	1	83353	1	92405
Tantalum & Scrap	tonne	++	578	--	--	--	--
Tellurium	tonne	5	31337	3	23332	2	21250
Tin & Alloys (Incl. scrap): Total	tonne	11260	15780746	11746	15254405	10797	14848133
Tin Alloys	tonne	10908	15550616	11225	14998805	10382	14585191
Tin & Alloys Worked	tonne	352	229740	521	255514	415	262942
Tin (Scrap)	tonne	++	390	++	86	--	--
Titanium & Alloys (incl. waste & scrap)	tonne	7654	7031701	8347	7448533	8875	5480218
Tungsten and Alloys (incl. scrap)	kg	399205	1726270	385732	1467498	326673	1451447
Zinc and Alloys (incl. scrap)	tonne	278088	56463013	249502	46153989	189197	34313169
Zinc & Alloys	tonne	184251	40200055	173997	34384910	139769	27338160
Zinc (scrap)	tonne	93837	16262958	75505	11769079	49428	6975009
Zirconium & Scrap	tonne	61	108310	40	97660	3	23298

Source: DGCI & S, Kolkata

\*\* Quantity not additive

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**Table-12: Value of Imports of Metals and Alloys, 2018-19 to 2020-21  
(By Principal Metals & Alloys)**

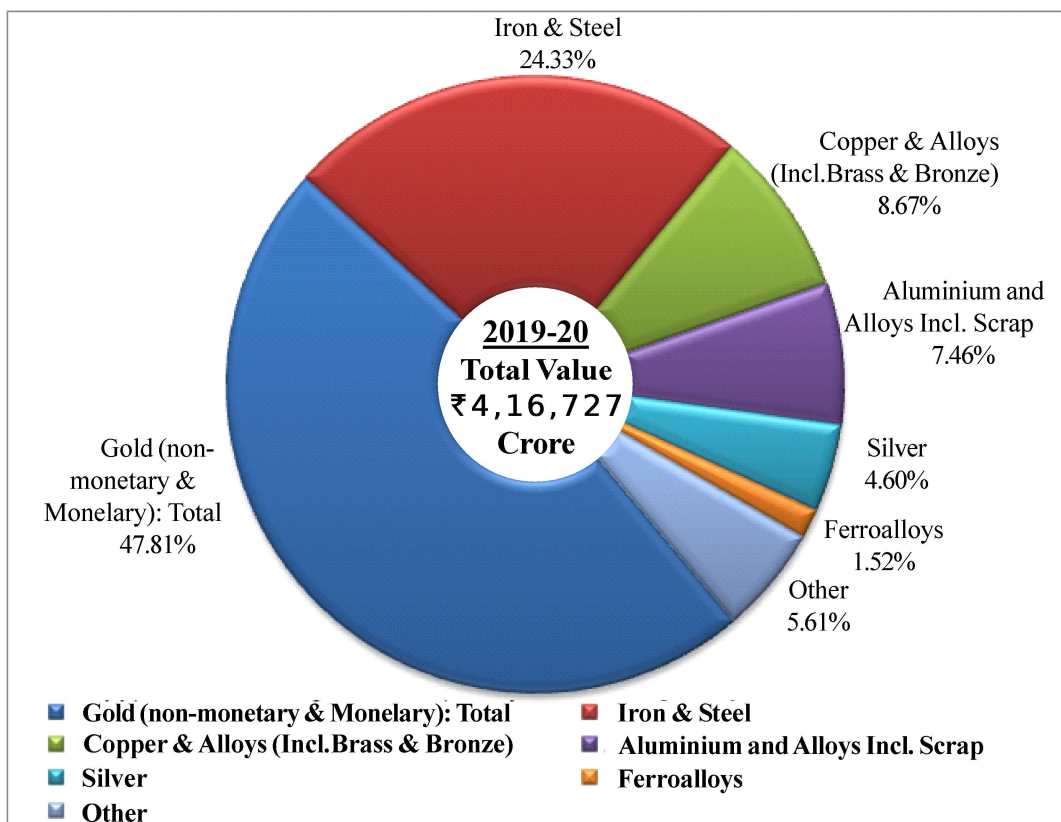
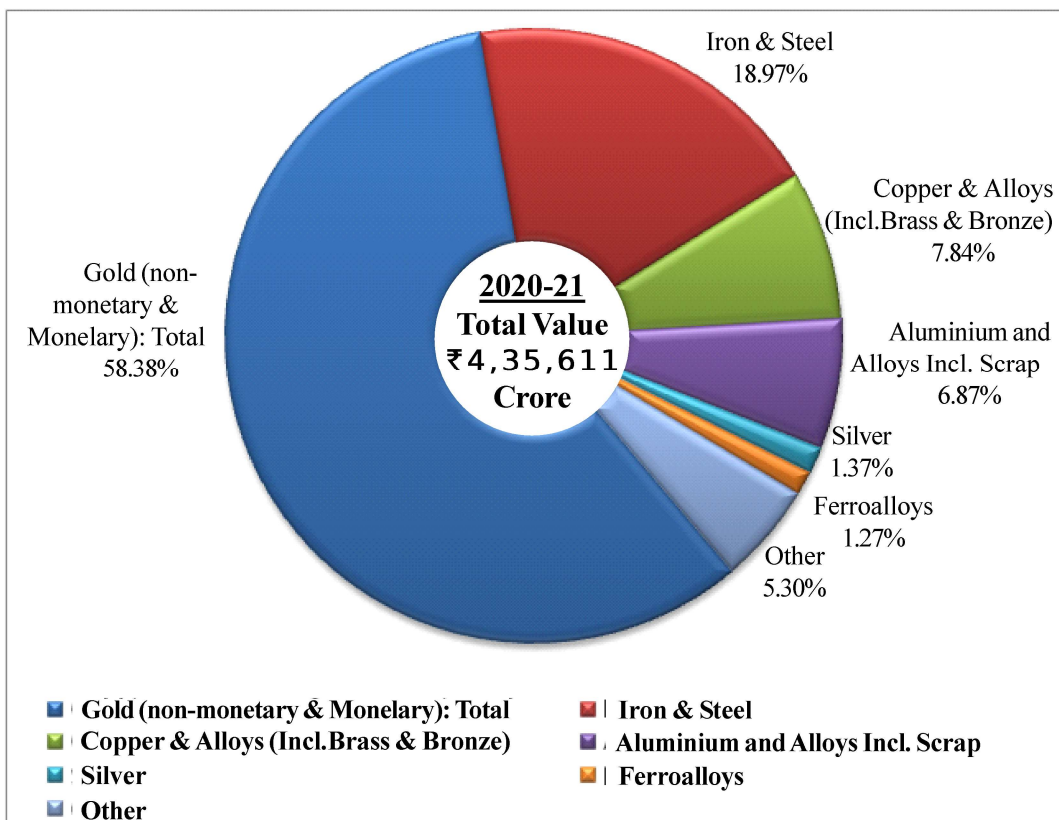
Metals & Alloys	2018-19		2019-20		2020-21 (P)		% increase (+) or decrease (-) in 2020-21 over 2019-20
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
<b>Grand Total</b>	4778433063	100	4167271075	100	4356107118	100	4.53
Gold (non-monetary & monetary):Total	2295364965	48.04	1992494952	47.81	2542884698	58.38	27.62
Iron & Steel	1147881273	24.02	1013874204	24.33	826381853	18.97	-18.49
Copper & Alloys (incl. brass & bronze)	368963437	7.72	361304774	8.67	341717156	7.84	-5.42
Aluminium and Alloys Incl. Scrap	381662645	7.99	310945506	7.46	299126164	6.87	-3.80
Silver	261886337	5.48	191617874	4.60	59602766	1.37	-68.89
Ferroalloys	75734231	1.58	63432050	1.52	55319083	1.27	-12.79
Nickel and Alloys Incl. Scrap	51678356	1.08	55491356	1.33	55125443	1.27	-0.66
Lead and Alloys Incl. Scrap	54754915	1.15	49923441	1.20	45882809	1.05	-8.09
Zinc and Alloys Incl. Scrap	56463013	1.18	46153989	1.11	34313169	0.79	-25.66
Platinum Alloys & Related Metals	18334593	0.38	25809821	0.62	38332024	0.88	48.52
Tin and Alloys Incl. Scrap	15780746	0.33	15254405	0.37	14848133	0.34	-2.66
Titanium & Alloys (incl. waste & scrap)	7031701	0.15	7448533	0.18	5480218	0.13	-26.43
Manganese & Alloys (incl. waste & scrap)	7676642	0.16	6188389	0.15	4933243	0.11	-20.28
Silicon	8653014	0.18	6137456	0.15	8323238	0.19	35.61
Magnesium & Scrap	5141748	0.11	4508647	0.11	4604195	0.11	2.12
Cobalt & Alloys (incl. waste and scrap)	4763695	0.10	4216990	0.10	2898721	0.07	-31.26
Pig & Cast Iron (incl. speigeliessen)	5175323	0.11	3618533	0.09	3368526	0.08	-6.91
Cadmium (incl. waste & scrap)	1742742	0.04	1787948	0.04	1338734	0.03	-25.12
Precious Metals / Metals Clad Waste	900853	0.02	482326	0.01	5267483	0.12	992.10
Molybdenum & Scrap	1698725	0.04	1545908	0.04	1540722	0.04	-0.34
Tungsten & Alloys Incl. Scrap	1726270	0.04	1467498	0.04	1451447	0.03	-1.09
Chromium & Alloys	1031627	0.02	923957	0.02	786755	0.02	-14.85
Selenium	936735	0.02	708675	0.02	681519	0.02	-3.83
Other Metals & Alloys	3449477	0.07	1933843	0.05	1899019	0.04	-1.80

*Source: DGCI&S, Kolkata.*

*Note: Total may not tally due to rounding off*

FOREIGN TRADE

Value of Imports of Metals and Alloys, 2019-20 and 2020-21  
(By Principal Metals & Alloys)



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**Table-13: Value of Imports of Metals and Alloys, 2018-19 to 2020-21  
(By Principal Countries)**

Country	2018-19		2019-20		2020-21 (P)		% increase (+) or decrease (-) in 2020-21 over 2019-20
	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	Value (₹'000)	% share in total value	
<b>All Countries</b>	<b>4778433063</b>	<b>100</b>	<b>4167271075</b>	<b>100</b>	<b>4356107118</b>	<b>100</b>	<b>4.53</b>
Switzerland	1090727139	22.83	1039728485	24.95	1201797774	27.59	15.59
UAE	342508388	7.17	310559135	7.45	411090037	9.44	32.37
China	366989188	7.68	298228269	7.16	253099822	5.81	-15.13
South Africa	128046778	2.68	134464819	3.23	246653484	5.66	83.43
USA	288016621	6.03	234443282	5.63	199853317	4.59	-14.75
Korea, Rep of.	279781273	5.86	244310288	5.86	191626385	4.4	-21.56
Japan	166052260	3.48	177505748	4.26	162204785	3.72	-8.62
Singapore	84318116	1.76	62990591	1.51	146390033	3.36	132.40
Peru	154326614	3.23	101475207	2.44	111217188	2.55	9.60
UK	215555187	4.51	165877334	3.98	110728782	2.54	-33.25
Guinea	21179473	0.44	17919211	0.43	105674630	2.43	489.73
Hong Kong	138065294	2.89	99480092	2.39	87314320	2.00	-12.23
Bolivia	59668343	1.25	59810123	1.44	85111551	1.95	42.30
Australia	75820391	1.59	52218415	1.25	72900094	1.67	39.61
Malaysia	115338852	2.41	102730921	20.47	71177450	1.63	-30.71
Ghana	213179652	4.46	92620018	2.22	67204084	1.54	-27.44
Germany	74836632	1.57	62665932	1.50	65525774	1.5	4.56
Thailand	69552067	1.46	59629957	1.43	58326516	1.34	-2.19
Vietnam	70683740	1.48	59711979	1.43	51232884	1.18	-14.20
Tanzania	50476251	1.06	44347948	1.06	42337240	0.97	-4.53
Indonesia	57631637	1.21	81912364	1.97	40875240	0.94	-50.10
Russia	40707030	0.85	28529347	0.68	35261589	0.81	23.60
Saudi Arabia	34973760	0.73	49037679	1.18	32755487	0.75	-33.20
Belgium	29391728	0.62	30976136	0.74	32504807	0.75	4.93
Netherlands	47653368	1.00	38247049	0.92	31735149	0.73	-17.03
Brazil	47147057	0.99	34749039	0.83	29317748	0.67	-15.63
Colombia	27590657	0.58	30839214	0.74	28940987	0.66	-6.16
Italy	31991080	0.67	33425420	0.80	27524684	0.63	-17.65
Burkina Faso	56342242	1.18	35007113	0.84	24285988	0.56	-30.63
Argentina	429646	0.01	15651645	0.38	23981232	0.55	53.22
France	20372206	0.43	19939367	0.48	20627600	0.47	3.45
Taiwan	28076446	0.59	19057272	0.46	19372549	0.44	1.65
Mexico	5782995	0.12	13911135	0.33	18982225	0.44	36.45
Dominican Republic	39177620	0.82	24973191	0.60	18134943	0.42	-27.38
Canada	16741191	0.35	18375709	0.44	17870630	0.41	-2.75
Philippines	8515426	0.18	6076592	0.15	14087147	0.32	131.83
Sweden	16144252	0.34	14422660	0.35	13913307	0.32	-3.53
Norway	8793980	0.18	9349399	0.22	11517093	0.26	23.19
Bahrain	11597364	0.24	8291276	0.20	11511478	0.26	38.84
Kuwait	10578161	0.22	9173989	0.22	9608378	0.22	4.74
Bhutan	11068698	0.23	11487853	0.28	9282769	0.21	-19.19
Spain	9735267	0.20	10644554	0.26	8791657	0.2	-17.41
Mozambique	3126789	0.07	3595268	0.09	8684725	0.2	141.56
Armenia	36077	0.00	47718	0.00	7003866	0.16	14577.62
Qatar	13979085	0.29	8805053	0.21	6927078	0.16	-21.33
Other countries	195727042	4.10	190027279	4.56	111142612	2.55	-41.51

Source: DGCI & S, Kolkata

Note: Total may not tally due to rounding off

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**Table- 14 : Imports of Selected Mineral-based products, 2018-19 to 2020-21**

(Value in ₹ '000)

Mineral-based Product	Unit	2018-19		2019-20		2020-21 (P)	
		Quantity	Value	Quantity	Value	Quantity	Value
<b>All Item</b>		**	<b>1458643218</b>	**	<b>1541499125</b>	**	<b>1392000442</b>
Aluminium Fluoride	tonne	62374	5607483	40362	3791019	61225	4805867
Asbestos Cement Products	tonne	29358	592294	25008	570692	19306	466845
Asbestos Fibre Products	tonne	4421	3605944	3577	2740754	2309	2750723
Bleaching Powder	tonne	29	4574	17	2780	34	5524
Boric Acid	tonne	6535	284858	4826	210517	6897	313194
Briquets of Coke, Semi-coke of Coal	tonne	1	1440	++	2236	++	222
Calcium Carbide	tonne	45321	2155384	31217	1450665	32665	1774852
Caustic Soda	tonne	208267	7992693	309346	8798197	248057	5549454
Cement : Total	tonne	2261591	9834412	2214478	9003784	2350442	9302473
Cement (others)	tonne	226890	1812971	230950	1922703	291131	2067663
Cement (portland grey)	tonne	1195645	4882591	372431	1757397	393659	1851543
Cement (portland white)	tonne	62643	500255	148098	1115330	174241	1321486
Cement Clinker	tonne	776413	2638595	1462999	4208354	1491411	4061781
Cryolite And Chiolite	tonne	1899	117503	2763	12329	6338	174382
Graphite (artificial)	tonne	68289	6739304	47511	4870675	54327	5422418
Graphite Bricks & Shapes	tonne	9	10434	9408	16170	5430	21390
Graphite Crucibles	tonne	79	10195	1	2573	906	50672
Hydrofluoric Acid	tonne	391	42197	969	89459	2095	177923
Manganese Oxide: Total	tonne	23977	1445934	18239	1325712	25687	1565080
Manganese Dioxide	tonne	9163	892944	10607	963139	12996	1016479
Manganese Oxides (other than Mn Dioxide)	tonne	14814	552990	7632	362573	12691	548601
Petroleum Products: Total*	'000 tonne	33348	1136650000	43788	1257420000	43248	1094300000
Non-Ferrous Ash & Residues	tonne	63481	3951390	24946	2566897	66023	7976670
Other Refractory Manufactures	tonne	19065	4846555	24682	4682877	131311	4122283
Phosphoric Fertilizers	tonne	2559	99988	16	2324	++	51
Phosphoric Acid	tonne	2773554	147391853	2501094	119766817	2514246	124688967
Phosphorus (elemental)	tonne	40081	7954160	33751	6552640	42551	8199312
Potash Fertilizer	tonne	4576730	86989505	4040268	83239621	5250814	94059271
Potassium Nitrate	tonne	92	11722	208	34447	58	7553
Refractory Bricks	tonne	191664	12911025	409154	14567881	265070	10879704
Silicon Carbide Crucibles	tonne	48	8628	63	20742	386	70638
Slag (dross etc. from iron & steel exc. granu)	tonne	136421	1131820	64674	527863	84962	592855
Soda Ash	tonne	840588	14490003	847704	15251459	719730	11480417
Sodium Nitrate	tonne	350	17376	677	22798	1281	36525
Sodium Nitrite	tonne	18572	812044	16616	631340	11053	434032
Sulphur (sublimed ppt. & collodial): Total	tonne	160	25155	752	42667	862	191861
Sulphur (colloidal)	tonne	60	10960	54	8729	39	8477
Sulphur Precipitated	tonne	27	3908	528	9533	9	1568
Sulphur Sublimed	tonne	73	10287	170	24405	814	181816
Titanium Oxide & Dioxide: Total		14648	2907345	16591	3164130	13514	2579284
Titanium Oxides	tonne	14544	2868634	16416	3082535	13389	2510726
Titanium Oxide (Other than Titanium Dioxides)	tonne	104	38711	175	81655	125	68558

Source: 1) DGCI & S, Kolkata

\*Indian Petroleum & Natural Gas Statistics published by Ministry of Petroleum & Natural Gas

\*\* : Quantity not additive

Note: Total may not tally due to rounding off