

FOREIGN TRADE



Indian Minerals Yearbook 2018

(Part- I : GENERAL REVIEWS)

57th Edition

FOREIGN TRADE

(FINAL RELEASE)

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

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10 Foreign Trade

EXPORTS

Ores & Minerals

During the year 2017-18, the value of exports (including re-exports) of ores and minerals at ` 1,99,120 crore accounted for about 10.17% of the total value of all merchandise exported from India. The value of exports of ores & minerals which rose from ` 1,70,946 crore in 2015-16 to ` 2,00,131 crore in 2016-17 and declined to ` 1,99,120 crore in 2017-18. The value of mineral exports showed a decrease of 0.5% in 2017-18 as compared to that of previous year.

Diamond (total) continued to be the largest constituent item with a share of 81.37% in the total value of mineral exports in 2017-18. Next in the order of share were iron ore with the contribution of 4.77% followed by granite 4.64% and alumina 1.66%. 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 percent.

The value of exports showed a mixed trend for most of the minerals in 2017-18 as compared to that of the previous year. A significant increase was also noticed in some cases. The value of exports of copper ore & conc. increased by about four times and Natural gas by about two times. The exports of other minerals which have shown significant growth are coke 64.02%, other minerals NES 50.75%, mica 35.91%, sandstone 35.86%, salt (other than common salt) 26.20%, sulphur (excl. sublimed, precipitated & colloidal) 22.63%, barytes 21.38%, quartz & quartzite 19.76%, precious & semi-precious stones (cut & uncut) 14.20% and gypsum 13.46%. On the other hand, the exports value, however, had recorded

significant decline in the cases of chromite 52.35%, garnet (abrasive) 49.98%, bauxite 47.02%, other minerals 30.06%, limestone 17.79%, slate 16.60%, building & monumental stones 15.92%, emerald (cut & uncut) 12.70% and kaolin 11.80% as compared to that in the previous year.

Ores and minerals were exported to various countries in 2017-18. About ninety percent of the total value of exports of ores and minerals was confined to only nine countries. During 2017-18, Hong Kong occupied the top position in terms of value accounting for 33.02% of the total value of mineral exports, USA was in the second place and contributed 25.98% followed by Belgium 7.67%, UAE 7.50%, China 7.09%, Israel 3.36%, Thailand 2.15%, Japan 1.72% and UK 1.08%. The individual share of remaining countries was less than one percent.

Country-wise analysis of value of minerals exports revealed that exports of minerals have increased by more than two times in Qatar (107.93%) and Botswana (106.62%). The other countries which recorded significant positive growth as compared to the previous year are Bhutan 98.86%, Vietnam 59.64%, Chinese Taipei/Taiwan 49.97%, Iraq 44.25%, Japan 43.42%, Mexico 35.42%, Korea Rep. of 30.92%, Nepal 24.91%, France 24.77%, Turkey 24.44% and Germany 15.65%.

However, value of export of ores & minerals declined significantly in respect of Algeria 37.18%, Kuwait 32.18%, Netherlands 31.54%, Maldives 21.23%, Bangladesh 20.60%, Malaysia 18.23%, Oman 15.10%, Saudi Arabia 12.87%, China 12.68%, Italy 11.57% and UAE 10.15% when compared to that of the previous year (Tables -1 to 3).

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Table-1 : Exports of Ores and Minerals (including re-exports), 2015-16 to 2017-18 (P)

(Value in ` '000)

| Ores & Minerals | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|------------------------------------|------------|----------|-------------------|----------|-------------------|-------------|-------------------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| All Minerals | | ** | 1709463248 | ** | 2001306842 | ** | 1991204401 |
| Abrasives (natural) | tonne | 4477 | 59894 | 4773 | 66649 | 49186 | 425304 |
| Alabaster | tonne | - | - | 20 | 240 | 4 | 41 |
| Alumina | tonne | 1368526 | 25895759 | 1509464 | 30030430 | 1361382 | 32961495 |
| Andalusite | tonne | - | - | 150 | 2063 | 6 | 327 |
| Antimony ores & conc. | tonne | 264 | 115561 | 46 | 9646 | 4 | 290 |
| Arsenic sulphide (natural) | tonne | 15 | 98 | - | - | 25 | 280 |
| Asbestos: Total | tonne | 524 | 23587 | 102 | 963 | 132 | 943 |
| Asbestos (chrysotile) | tonne | 306 | 22919 | 26 | 395 | 1 | 95 |
| Asbestos (others) | tonne | 218 | 668 | 76 | 568 | 131 | 848 |
| Ball clay | tonne | 61536 | 148435 | 92688 | 233666 | 154640 | 344836 |
| Barytes | tonne | 743407 | 6517075 | 1067313 | 7669141 | 1652975 | 9308877 |
| Bauxite | tonne | 8914624 | 19527404 | 2790675 | 5105333 | 1529308 | 2705040 |
| Bentonite | tonne | 1572469 | 4814343 | 1538134 | 4798150 | 1599608 | 4825168 |
| Borax: Total | tonne | 1724 | 124645 | 2480 | 164054 | 3136 | 261791 |
| Natural borate | tonne | 141 | 1513 | 65 | 1329 | 16 | 560 |
| Sodium borate | tonne | 1135 | 51516 | 1969 | 93325 | 2084 | 98828 |
| Other borates | tonne | 448 | 71616 | 446 | 69400 | 1036 | 162403 |
| Building and monumental stones NES | tonne | 5133276 | 8489458 | 8211193 | 12089834 | 7715765 | 10165733 |
| Calcite | tonne | 25198 | 177976 | 26981 | 202616 | 38638 | 289088 |
| Chalk | tonne | 481 | 3818 | 659 | 4550 | 683 | 4344 |
| Chromite: Total | tonne | 71839 | 1314085 | 230531 | 3657700 | 81835 | 1743015 |
| Chrome ore others | tonne | 1867 | 26219 | 81502 | 1091305 | 48466 | 953757 |
| Chrome ore conc. | tonne | 69972 | 1287852 | 149029 | 2566395 | 33367 | 789176 |
| Chrome ore lumps | tonne | ++ | 14 | - | - | 2 | 82 |
| Clay (others) | tonne | 23341 | 312553 | 40343 | 459495 | 37363 | 365975 |
| Coal (excl. lignite) | '000 t | 1576 | 9006274 | 1772 | 9669603 | 1502 | 8777023 |
| Coal lignite | '000 t | ++ | 2753 | 2 | 251598 | 1 | 263660 |
| Coke | tonne | 89847 | 1073159 | 77642 | 992815 | 90748 | 1628416 |
| Coal gas | tonne | 1 | 99 | ++ | 95 | 37 | 1122 |
| Cobalt ores & conc. | tonne | ++ | 44 | ++ | 20 | ++ | 4 |
| Copper ores & conc. | tonne | 11432 | 712919 | 22711 | 1054322 | 61005 | 3805458 |
| Diamond | | ** | 1427340191 | ** | 1627066250 | ** | 1620221010 |
| Diamond (mostly cut) | carat | ** | 1426640484 | ** | 1625672978 | ** | 1619309698 |
| Diamond (industrial) | carat | 5651009 | 342214 | 6769897 | 1099542 | 9739890 | 613848 |
| Diamond (powder) | '000 carat | 9702 | 357493 | 8197 | 293730 | 11123 | 297464 |
| Diatomite | tonne | 30597 | 328268 | 38427 | 362900 | 52236 | 456663 |
| Dolomite | tonne | 85273 | 155664 | 61023 | 234402 | 71964 | 373396 |
| Earth clay | tonne | 9000 | 87142 | 5792 | 61644 | 5828 | 63589 |
| Emerald (cut & uncut): Total | | ** | 17879971 | ** | 20340187 | ** | 17757744 |
| Emerald (uncut) | tonne | 2 | 1938487 | 2 | 2301688 | 16 | 602532 |
| Emerald (cut) | '000 carat | 138459 | 15941484 | 131357 | 18038499 | 42702 | 17155212 |

(Contd.)

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Table-1 (Contd.)

(Value in ` '000)

| Ores & Minerals | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|------------------------------------|-------------|----------|----------|----------|-----------|-------------|----------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Felspar (natural) | tonne | 426172 | 2232791 | 481457 | 2495595 | 539102 | 2686250 |
| Felspar (cut & uncut): Total | | ** | 41189 | ** | 239664 | ** | 303478 |
| Felspar (uncut) | tonne | 38 | 1278 | 1 | 1972 | 47 | 18645 |
| Felspar (cut) | '000 carat | 143300 | 39911 | 402811 | 237692 | 71740 | 284833 |
| Fire clay | tonne | 887 | 10775 | 4324 | 14883 | 4117 | 30572 |
| Flint | tonne | 867 | 7660 | 652 | 6619 | 824 | 7683 |
| Fluorite/Fluorspar | tonne | 316 | 11578 | 608 | 21579 | 471 | 15316 |
| Garnet (abrasive) | tonne | 480408 | 5950862 | 387276 | 4691843 | 157224 | 2346630 |
| Garnet (cut and uncut): Total | | ** | 25405 | ** | 241716 | ** | 416710 |
| Garnet (uncut) | tonne | ++ | 274 | 10 | 11935 | 142 | 34844 |
| Garnet (cut) | '000 carat | 1062 | 25131 | 4442 | 229781 | 28085 | 381866 |
| Granite : Total | tonne | 5674568 | 92720986 | 6094341 | 93368588 | 6524816 | 92485125 |
| Granite (crude or roughly trimmed) | tonne | 3398523 | 26999328 | 3572213 | 26647327 | 4037405 | 29073806 |
| Granite (cut blocks/slabs) | tonne | 659991 | 5966547 | 752239 | 6443590 | 739006 | 7776707 |
| Granite (polished blocks/tiles) | tonne | 153914 | 4358163 | 164056 | 4077170 | 186624 | 4445118 |
| Granite (others) | tonne | 1462140 | 55396948 | 1605833 | 56200501 | 1561781 | 51189494 |
| Graphite (natural) | tonne | 286 | 17070 | 402 | 30315 | 910 | 77567 |
| Gypsum | tonne | 110882 | 291061 | 194493 | 523392 | 160927 | 593833 |
| Iron ore: Total | '000 tonnes | 5441 | 12639633 | 30728 | 102929254 | 24380 | 94901382 |
| Iron ore conc:Non-agglomerated | '000 tonnes | ++ | 8032 | 1107 | 2846476 | 453 | 924666 |
| Iron ore: fines | '000 tonnes | 4635 | 8763003 | 18540 | 47421383 | 13100 | 32582233 |
| Iron ore: lumps | '000 tonnes | 112 | 185059 | 2266 | 6792560 | 1516 | 4402466 |
| Iron ore pellets | '000 tonnes | 694 | 3675792 | 8815 | 45847775 | 9311 | 56966622 |
| Iron ore pyrites | '000 tonnes | ++ | 7747 | ++ | 21060 | ++ | 25395 |
| Kaolin | tonne | 304702 | 1105587 | 232867 | 1136299 | 212930 | 1002177 |
| Kieselguhr | tonne | 90 | 1900 | 39 | 931 | 124 | 2577 |
| Kyanite | tonne | 144 | 2703 | 153 | 3052 | 166 | 3404 |
| Lead ores & conc. | tonne | ++ | 215 | 1 | 33 | ++ | 52 |
| Limestone | tonne | 3236010 | 4694274 | 4330822 | 4990065 | 2812042 | 4102331 |
| Magnesite : Total | tonne | 6204 | 124464 | 8065 | 135150 | 9553 | 188589 |
| Magnesia (fused) | tonne | 708 | 28794 | 620 | 23858 | 370 | 16736 |
| Magnesite (not calcined) | tonne | 789 | 14604 | 597 | 13781 | 150 | 4273 |
| Magnesite (calcined) | tonne | - | - | - | - | 185 | 5823 |
| Magnesite:dead-burnt magnesia | tonne | 37 | 1322 | 70 | 2152 | 63 | 1129 |
| Magnesium oxide | tonne | 1268 | 38212 | 1150 | 34910 | 1875 | 78644 |
| Magnesite (other) | tonne | 3402 | 41532 | 5628 | 60449 | 6910 | 81984 |

(Contd.)

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Table-1 (Contd.)

(Value in ` '000)

| Ores & Minerals | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|--|------------|----------|----------|----------|----------|-------------|----------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Manganese ore : Total | tonne | 444 | 18945 | 244 | 12377 | 44167 | 508784 |
| Manganese ore (35% or more but below 46% Mn) | tonne | - | - | 7 | 35 | 24800 | 331750 |
| Manganese ore (46% or more Mn) | tonne | 93 | 317 | ++ | 13 | ++ | 29 |
| Manganese ore (others) | tonne | 351 | 18628 | 237 | 12329 | 19367 | 177005 |
| Marble : Total | tonne | 289853 | 5998393 | 326977 | 7048204 | 355364 | 7664933 |
| Marble (dressed) | tonne | 181895 | 2472912 | 200307 | 2706455 | 223031 | 2892851 |
| Marble (others) | tonne | 1107958 | 3525481 | 126670 | 4341749 | 132333 | 4772082 |
| Mica: Total | tonne | 135805 | 4229719 | 135163 | 4555655 | 154553 | 6191768 |
| Mica (unmanufactured): Total | tonne | 135085 | 3444188 | 134423 | 3744499 | 153435 | 5252814 |
| Mica (blocks) | tonne | 1879 | 199920 | 1776 | 176318 | 1493 | 256153 |
| Mica (splittings) | tonne | 11611 | 295741 | 11327 | 357882 | 14851 | 474972 |
| Mica (powder) | tonne | 89716 | 2250836 | 86910 | 2394726 | 95505 | 3555628 |
| Mica (condenser films) | tonne | - | - | ++ | 289 | ++ | 2103 |
| Mica (waste & scrap) | tonne | 31879 | 697691 | 34410 | 815284 | 41586 | 963958 |
| Mica (worked): Total | tonne | 720 | 785531 | 740 | 811156 | 1118 | 938954 |
| Mica (cond. films, plates, cuts NES) | tonne | 8 | 26632 | 4 | 6728 | 42 | 18564 |
| Mica (washers & discs) | tonne | 15 | 45579 | 6 | 14182 | 5 | 20416 |
| Mica (sheets & strips) | tonne | 49 | 85074 | 43 | 76565 | 40 | 106740 |
| Micanite & other built-up mica | tonne | ++ | 1285 | 1 | 2651 | 5 | 4658 |
| Mica worked (others) | tonne | 648 | 626961 | 686 | 711030 | 1026 | 788576 |
| Molybdenum ores & conc. | tonne | 45 | 2199 | 22 | 1005 | 7 | 1922 |
| Niobium or tantalum ores & conc. | tonne | - | - | 2 | 7277 | ++ | 213 |
| Natural gas | tonne | 126951 | 3798603 | 37072 | 1521058 | 70838 | 2946152 |
| Nickel ores & conc. | tonne | 125 | 11510 | - | - | ++ | 19 |
| Ochre: Total | tonne | 3633 | 75045 | 3360 | 78711 | 4518 | 69098 |
| Ochre: (earth colours) | tonne | 1760 | 23549 | 1621 | 21898 | 3163 | 25267 |
| Ochre (persian red) | tonne | - | - | 23 | 2958 | 25 | 1072 |
| Ochre (red oxide) | tonne | 1385 | 37451 | 1337 | 39176 | 970 | 30597 |
| Ochre: (yellow ochre) | tonne | 488 | 14045 | 379 | 14679 | 360 | 12162 |
| Precious & semi-precious stones (cut & uncut): Total | | ** | 12590259 | ** | 11080271 | ** | 12653546 |
| Precious & semi-precious stones (uncut) | tonne | 1318 | 1169574 | 1052 | 1114955 | 1772 | 1073328 |
| Precious & semi-precious stones (cut) | '000 carat | 3672035 | 11420685 | 2480729 | 9965316 | 2105892 | 11580218 |

(Contd.)

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Table-1 (Concl.)

(Value in ` '000)

| Ores & Minerals | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|--|-------|----------|----------|----------|---------|-------------|----------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Precious metal | kg | 144051 | 3166 | 5743 | 71 | 116000 | 792 |
| ores & concentrates | | | | | | | |
| Quartz and quartzite: Total | tonne | 388192 | 3025919 | 488800 | 3579270 | 550361 | 4286632 |
| Quartz (natural) | tonne | 301226 | 2023651 | 387880 | 2410657 | 431031 | 2898997 |
| Quartzite (natural) | tonne | 86966 | 1002268 | 100920 | 1168613 | 119330 | 1387635 |
| Rock phosphate | tonne | 14242 | 69097 | 5915 | 8615 | 395 | 598 |
| Salt (other than common salt) | tonne | 5926639 | 6701176 | 7897937 | 7450785 | 9969601 | 9402723 |
| Sand (excl. metal bearing) | tonne | 14476 | 491906 | 17284 | 369425 | 32445 | 419871 |
| Sandstone | tonne | 744657 | 10161784 | 710400 | 9071313 | 930902 | 12323873 |
| Silica sand | tonne | 709 | 6725 | 1096 | 8669 | 2747 | 22157 |
| Sillimanite | tonne | 15078 | 110847 | 14064 | 114678 | 16193 | 171835 |
| Slate : Total | tonne | 97591 | 1927313 | 122097 | 2343209 | 86297 | 1954229 |
| Slate (worked) | tonne | 20461 | 703193 | 19161 | 919805 | 9108 | 663051 |
| Slate (others) | tonne | 77130 | 1224120 | 102936 | 1423404 | 77189 | 1291178 |
| Talc/steatite/soapstone : Total | tonne | 187287 | 2709689 | 251546 | 3456143 | 243850 | 3576256 |
| Steatite blocks | tonne | 2621 | 33768 | 11061 | 83953 | 1904 | 30179 |
| Steatite lumps | tonne | 12736 | 222368 | 38986 | 573101 | 49156 | 700999 |
| Steatite powder & others | tonne | 171930 | 2453553 | 201499 | 2799089 | 192790 | 2845078 |
| Sulphur (exc. sublimed precipitated & colloidal) | tonne | 628164 | 5157081 | 616472 | 3469350 | 573855 | 4254429 |
| Tin ores & conc. | tonne | ++ | 14 | - | - | ++ | 3 |
| Titanium ores & conc.: Total | tonne | 790489 | 6644935 | 532204 | 5716719 | 355474 | 6010134 |
| Titanium ores & conc. (ilmenite) | tonne | 783656 | 6302008 | 529822 | 5586178 | 353384 | 5889530 |
| Titanium ores & conc. (rutile) | tonne | 6722 | 336087 | 2048 | 108327 | 2038 | 118116 |
| Titanium ores & conc. (others) | tonne | 111 | 6840 | 334 | 22214 | 52 | 2488 |
| Tungsten ores & conc. | tonne | 1 | 390 | 8 | 6064 | 30 | 29880 |
| Vanadium ores & conc. | tonne | - | - | ++ | 25 | - | - |
| Vermiculite | tonne | 528 | 6402 | 756 | 8312 | 454 | 5093 |
| Witherite | tonne | ++ | 241 | ++ | 216 | 8 | 319 |
| Wollastonite | tonne | 16616 | 279263 | 16700 | 293524 | 12478 | 224919 |
| Zinc ores & conc. | tonne | 558 | 11346 | 53912 | 3990176 | 1206 | 31460 |
| Zirconium ores & conc. | tonne | 4859 | 241900 | 1693 | 95182 | 308 | 31130 |
| Other minerals NES | tonne | 1362345 | 1200053 | 757361 | 1663194 | 1670509 | 2507325 |

Source: DGCI & S, Kolkata

** Quantity not additive

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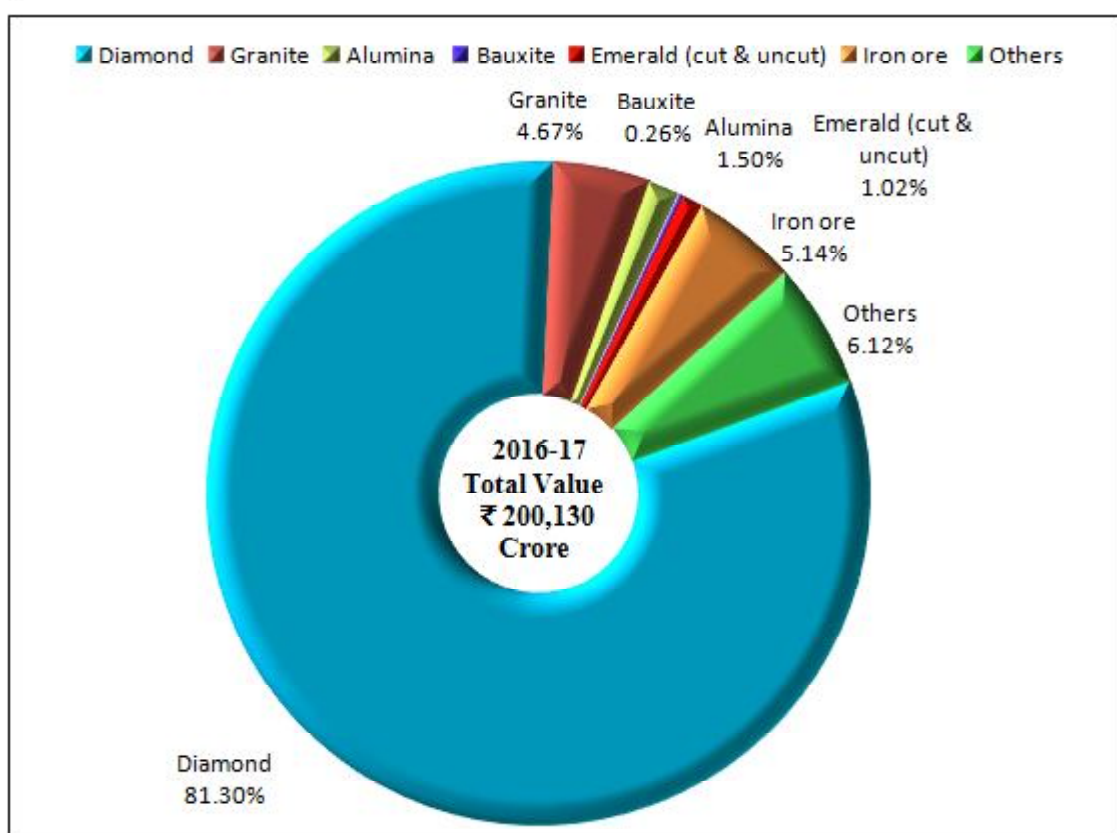
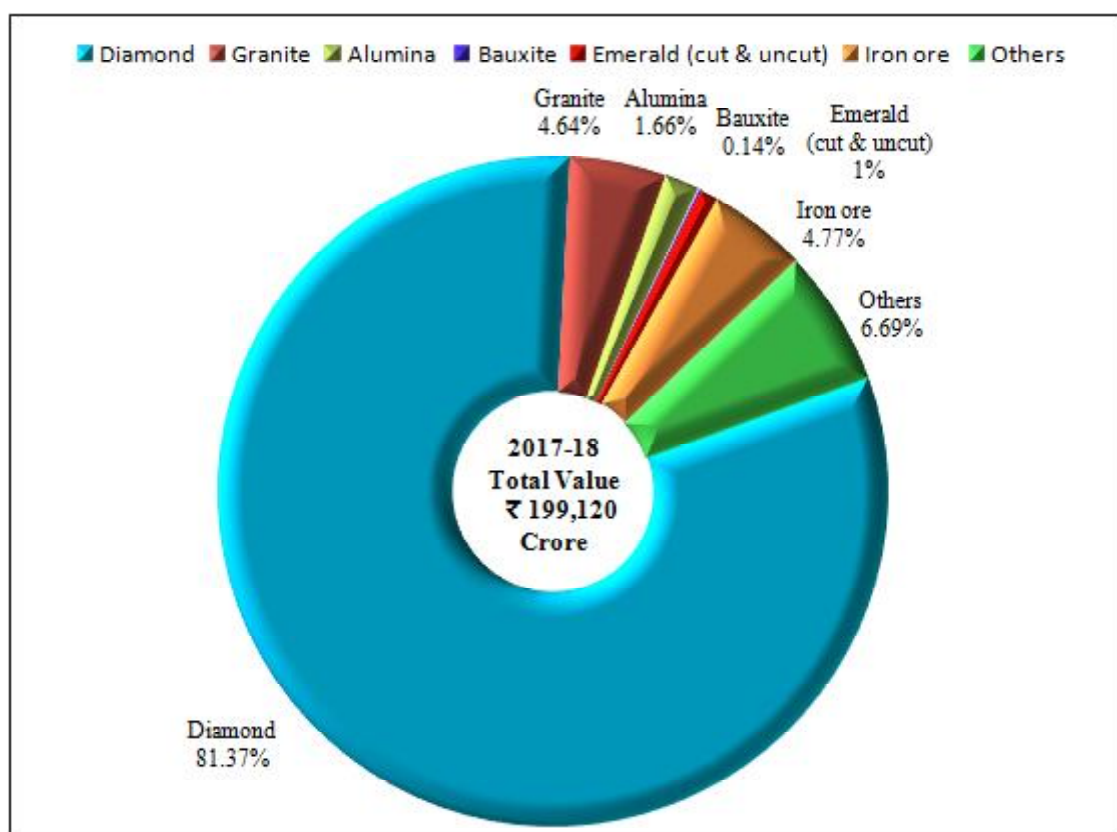
**Table – 2: Value of Exports of Ores & Minerals (including re-exports), 2015-16 to 2017-18
(By Principal Ores & Minerals)**

| Ores & Minerals | 2015-16 | | 2016-17 | | 2017-18 (P) | | % increase (+) or decrease (-) in 2017-18 over 2016-17 |
|--|-------------------|------------------------------|-------------------|------------------------------|-------------------|------------------------------|--|
| | Value (` '000) | % share in total value | Value (` '000) | % share in total value | Value (` '000) | % share in total value | |
| All Minerals | 1709463248 | 100.00 | 2001306842 | 100.00 | 1991204401 | 100.00 | -0.50 |
| Diamond | 1427340191 | 83.50 | 1627066250 | 81.30 | 1620221010 | 81.37 | -0.42 |
| Iron ore | 12639633 | 0.74 | 102929254 | 5.14 | 94901382 | 4.77 | -7.80 |
| Granite | 92720986 | 5.42 | 93368588 | 4.67 | 92485125 | 4.64 | -0.95 |
| Alumina | 25895759 | 1.51 | 30030430 | 1.50 | 32961495 | 1.66 | 9.76 |
| Emerald (cut & uncut) | 17879971 | 1.05 | 20340187 | 1.02 | 17757744 | 0.89 | -12.70 |
| Precious & semi-precious | 12590259 | 0.74 | 11080271 | 0.55 | 12653546 | 0.64 | 14.20 |
| Sandstone | 10161784 | 0.59 | 9071313 | 0.45 | 12323873 | 0.62 | 35.86 |
| stones (cut & uncut):Total | | | | | | | |
| Building and monumental stones NES | 8489458 | 0.50 | 12089834 | 0.60 | 10165733 | 0.51 | -15.92 |
| Barytes | 6517075 | 0.38 | 7669141 | 0.38 | 9308877 | 0.47 | 21.38 |
| Salt (other than common salt) | 6701176 | 0.39 | 7450785 | 0.37 | 9402723 | 0.47 | 26.20 |
| Coal (excl. lignite) | 9006274 | 0.53 | 9669603 | 0.48 | 8777023 | 0.44 | -9.23 |
| Marble | 5998393 | 0.35 | 7048204 | 0.35 | 7664933 | 0.38 | 8.75 |
| Mica | 4229719 | 0.25 | 4555655 | 0.23 | 6191768 | 0.31 | 35.91 |
| Titanium ores & conc. | 6644935 | 0.39 | 5716719 | 0.29 | 6010134 | 0.30 | 5.13 |
| Bentonite | 4814343 | 0.28 | 4798150 | 0.24 | 4825168 | 0.24 | 0.56 |
| Quartz and quartzite | 3025919 | 0.18 | 3579270 | 0.18 | 4286632 | 0.22 | 19.76 |
| Sulphur (excl. sublimed precipitated & colloidal) | 5157081 | 0.30 | 3469350 | 0.17 | 4254429 | 0.21 | 22.63 |
| Limestone | 4694274 | 0.27 | 4990065 | 0.25 | 4102331 | 0.21 | -17.79 |
| Copper ores & conc. | 712919 | 0.04 | 1054322 | 0.05 | 3805458 | 0.19 | 260.94 |
| Talc/Soapstone/Steatite | 2709689 | 0.16 | 3456143 | 0.17 | 3576256 | 0.18 | 3.48 |
| Natural gas | 3798603 | 0.22 | 1521058 | 0.08 | 2946152 | 0.15 | 93.69 |
| Bauxite | 19527404 | 1.14 | 5105333 | 0.26 | 2705040 | 0.14 | -47.02 |
| Felspar (natural) | 2232791 | 0.13 | 2495595 | 0.12 | 2686250 | 0.13 | 7.64 |
| Other minerals, NES | 1200053 | 0.07 | 1663194 | 0.08 | 2507325 | 0.13 | 50.75 |
| Garnet (abrasive) | 5950862 | 0.35 | 4691843 | 0.23 | 2346630 | 0.12 | -49.98 |
| Slate | 1927313 | 0.11 | 2343209 | 0.12 | 1954229 | 0.10 | -16.60 |
| Chromite | 1314085 | 0.08 | 3657700 | 0.18 | 1743015 | 0.09 | -52.35 |
| Kaolin | 1105587 | 0.06 | 1136299 | 0.06 | 1002177 | 0.05 | -11.80 |
| Gypsum | 291061 | 0.02 | 523392 | 0.03 | 593833 | 0.03 | 13.46 |
| Coke | 1073159 | 0.06 | 992815 | 0.05 | 1628416 | 0.08 | 64.02 |
| Other minerals | 3112492 | 0.18 | 7742870 | 0.39 | 5415694 | 0.27 | -30.06 |

Source: DGCI&S, Kolkata

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Value of Mineral Exports, 2016-17 and 2017-18



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**Table - 3 : Value of Exports of Ores & Minerals (including re-exports), 2015-16 to 2017-18
(By Principal Countries)**

| Ores & Minerals | 2015-16 | | 2016-17 | | 2017-18 (P) | | % increase (+) or decrease (-) in 2017-18 over 2016-17 |
|-----------------------|-------------------|------------------------------|-------------------|------------------------------|-------------------|------------------------------|--|
| | Value (`000) | % share in total value | Value (`000) | % share in total value | Value (`000) | % share in total value | |
| All Countries | 1709463248 | 100 | 2001306842 | 100 | 1991204401 | 100 | -0.50 |
| Hong Kong | 532865307 | 31.17 | 631645344 | 31.56 | 657554921 | 33.02 | 4.10 |
| USA | 455980790 | 26.67 | 525322016 | 26.25 | 517263733 | 25.98 | -1.53 |
| Belgium | 148959205 | 8.71 | 163430656 | 8.17 | 152632308 | 7.67 | -6.61 |
| UAE | 158770019 | 9.29 | 166195697 | 8.30 | 149319182 | 7.50 | -10.15 |
| China | 86281415 | 5.05 | 161686097 | 8.08 | 141180783 | 7.09 | -12.68 |
| Israel | 66323391 | 3.88 | 67722142 | 3.38 | 66862323 | 3.36 | -1.27 |
| Thailand | 40895276 | 2.39 | 40263973 | 2.01 | 42888638 | 2.15 | 6.52 |
| Japan | 20004518 | 1.17 | 23875088 | 1.19 | 34242764 | 1.72 | 43.42 |
| UK | 21749745 | 1.27 | 20958265 | 1.05 | 21569596 | 1.08 | 2.92 |
| Singapore | 19260031 | 1.13 | 21249243 | 1.06 | 19440368 | 0.98 | -8.51 |
| Korea, Rep. of | 5477729 | 0.32 | 10422948 | 0.52 | 13645716 | 0.69 | 30.92 |
| Switzerland | 13522509 | 0.79 | 12796337 | 0.64 | 13579248 | 0.68 | 6.12 |
| Bangladesh | 11395342 | 0.67 | 15319360 | 0.77 | 12164249 | 0.61 | -20.60 |
| Australia | 11851993 | 0.69 | 11543516 | 0.58 | 11596312 | 0.58 | 0.46 |
| Germany | 8249971 | 0.48 | 8331136 | 0.42 | 9634577 | 0.48 | 15.65 |
| Nepal | 6222196 | 0.36 | 7690608 | 0.38 | 9606466 | 0.48 | 24.91 |
| Vietnam | 4944962 | 0.29 | 5530643 | 0.28 | 8828930 | 0.44 | 59.64 |
| Italy | 8262732 | 0.48 | 9298952 | 0.46 | 8222910 | 0.41 | -11.57 |
| Saudi Arabia | 7212121 | 0.42 | 8341644 | 0.42 | 7267771 | 0.36 | -12.87 |
| Turkey | 4874266 | 0.29 | 5568071 | 0.28 | 6928818 | 0.35 | 24.44 |
| France | 5573664 | 0.33 | 5269004 | 0.26 | 6574208 | 0.33 | 24.77 |
| Egypt | 5568672 | 0.33 | 6262073 | 0.31 | 6350646 | 0.32 | 1.41 |
| Canada | 5588036 | 0.33 | 6237475 | 0.31 | 6243579 | 0.31 | 0.10 |
| Iran | 5437373 | 0.32 | 5486020 | 0.27 | 5193946 | 0.26 | -5.32 |
| Chinese Taipei/Taiwan | 3581254 | 0.21 | 3199833 | 0.16 | 4798774 | 0.24 | 49.97 |
| Malaysia | 3133950 | 0.18 | 5685471 | 0.28 | 4648749 | 0.23 | -18.23 |
| Oman | 1509538 | 0.09 | 4651979 | 0.23 | 3949711 | 0.20 | -15.10 |
| South Africa | 3958967 | 0.23 | 4066171 | 0.20 | 3696898 | 0.19 | -9.08 |
| Indonesia | 3926115 | 0.23 | 3644876 | 0.18 | 3577777 | 0.18 | -1.84 |
| Botswana | 44157 | 0.00 | 1655005 | 0.08 | 3419571 | 0.17 | 106.62 |
| Poland | 2537415 | 0.15 | 2849769 | 0.14 | 2812681 | 0.14 | -1.30 |
| Qatar | 2660962 | 0.16 | 1348839 | 0.07 | 2804577 | 0.14 | 107.93 |
| Bhutan | 1376787 | 0.08 | 1216186 | 0.06 | 2418562 | 0.12 | 98.86 |
| Spain | 1667314 | 0.10 | 2128517 | 0.11 | 2151169 | 0.11 | 1.06 |
| Netherlands | 3317550 | 0.19 | 3046597 | 0.15 | 2085770 | 0.10 | -31.54 |
| Kuwait | 1833768 | 0.11 | 2496200 | 0.12 | 1692934 | 0.09 | -32.18 |
| Lebanon | 1841166 | 0.11 | 1753176 | 0.09 | 1813322 | 0.09 | 3.43 |
| Iraq | 1083456 | 0.06 | 1004946 | 0.05 | 1449651 | 0.07 | 44.25 |
| Maldives | 1396673 | 0.08 | 1630691 | 0.08 | 1284507 | 0.06 | -21.23 |
| New Zealand | 1094923 | 0.06 | 1211247 | 0.06 | 1287378 | 0.06 | 6.29 |
| Ireland | 1084293 | 0.06 | 1096798 | 0.05 | 1137556 | 0.06 | 3.72 |
| Algeria | 1220262 | 0.07 | 1490780 | 0.07 | 936472 | 0.05 | -37.18 |
| Mexico | 634730 | 0.04 | 646490 | 0.03 | 875503 | 0.04 | 35.42 |
| Russia | 956755 | 0.06 | 1002010 | 0.05 | 1004971 | 0.05 | 0.30 |
| Sri Lanka | 1606847 | 0.09 | 973409 | 0.05 | 1011521 | 0.05 | 3.92 |
| Other countries | 13725103 | 0.80 | 14061544 | 0.70 | 13554355 | 0.68 | -3.61 |

Source: DGCI&S, Kolkata

Metals & Alloys

The value of exports of metals & alloys at ₹ 1,90,294 crore in the year 2017-18 registered an increase of 4.45% as compared to that of ₹ 1,82,186 crore in the previous year. The contribution of metals & alloys in the total value of India's exports was only 10% during the year under review.

Iron & steel with a share of 52.39% continued to hold the top position in the value of metals/alloys exported from India in 2017-18. Aluminium and alloys including scrap is in the second place and accounted for 16.18% value. Copper & alloys (including brass & bronze) and ferro alloys occupied the third & fourth place with a contribution of 11.58% & 7.53%, respectively. The contributions of gold (non-monetary & monetary), zinc & alloys including scrap, precious metals/metal clad with precious metal and lead & alloys including scrap were 5.08%, 3.24%, 1.5% and 1.34% respectively. The individual share of other remaining metals and alloys was less than one percent.

As compared to previous year, the value of exports for different important metals had shown a mixed trend in 2017-18. The export value of platinum alloys & related metals increased by about three times (212.31%), and similar climb in export values were observed in the cases lead and alloys incl. scrap 61.15%, zinc and alloys incl. scrap 50.56%, aluminium and alloys incl. scrap 42.43%, ferro alloys 41.47%, pig & cast iron incl. spiegeleisen 30.31%, antimony alloys and scrap 29.41%, Copper & alloys incl. brass & bronze 25.37%, tungsten and alloys incl. scrap 22.76%, other metals & alloys 21.11% and iron & steel 15.72%. However, the export values were gold (non-monetary & monetary) 73.28% and nickel & alloys incl. scrap 55.35% showed significant negative growth during 2017-18 as compared to that of the previous year.

India exported metals & alloys to various countries in 2017-18. Bulk of the metals and alloys having share more than 1% to total value were exported to 25 countries. These countries together accounted for 81.35% of the total value of exports during 2017-18. UAE with a share of 11.77% occupied top position in 2017-18 followed by USA 10.04%, China 7.65%, Korea, Rep. of 5.47%, Malaysia 5.21%, Italy 4.81%, Nepal 3.73%, Belgium 3.25%, Indonesia 2.41%, Spain 2.27%, Vietnam 2.23%, Bangladesh 2.18%, Chinese Taipei/Taiwan 2.16% and Germany 2.06%. The individual share of Turkey, UK, Saudi Arabia, Japan, Thailand, Netherlands, Singapore, Sri Lanka, Mexico, Qatar and Oman ranged between 1 and 2 percent and less than one percent in respect of the remaining countries.

The countries that have recorded significant increase in value of exports of metals & alloys during the year 2017-18 are Hong Kong 726.44%, Afghanistan 504.13%, Qatar 258.87%, Philippines 156.33%, Colombia 150.83%, Bahrain 143.93%, Myanmar 131.73%, Nigeria 98.01%, Turkey 82.54%, China 76.45%, Poland 71.49%, Sri Lanka 64.36%, Canada 63.95%, Greece 58.57%, Brazil 43.67%, Malaysia 41.28%, Indonesia 41.03%, Japan 36.78%, Spain 35.42%, Egypt 33.55%, Nepal 32.50%, USA 29.09%, Oman 26.71%, Italy 23.21%, Thailand 20.89%, Portugal 18.68%, Korea Rep. of 13.55%, Germany 12.36%, UK 11.04% and other Countries 10.63%.

On the other hand, decline in the value of exports of metals & alloys was observed among UAE 53.43%, Kuwait 44.88%, Ethiopia 18.39%, Taiwan 16.97%, South Africa 13.68%, Saudi Arabia 12.89%, Kenya 11.44% and Singapore 11.25% during the year under review (Tables - 4 to 6).

Exports of selected mineral-based products during 2015-16 to 2017-18 are furnished in Table - 7.

FOREIGN TRADE

Table-4 : Exports of Metals and Alloys, 2015-16 to 2017-18 (P)

| | | (Value in ` '000) | | | | | |
|----------------------------------|-------|--------------------|-------------------|----------|-------------------|-------------|-------------------|
| Metals & Alloys | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| All Metals & Alloys | | ** | 1529126142 | ** | 1821860400 | ** | 1902939386 |
| Aluminium and alloys incl. scrap | tonne | 1153445 | 171195449 | 1546990 | 216150533 | 2010162 | 307872663 |
| Antimony alloys and scrap | tonne | 2034 | 840903 | 1668 | 750059 | 1899 | 970687 |
| Bismuth & scrap | tonne | 2 | 2751 | ++ | 68 | 3 | 4558 |
| Boron | tonne | ++ | 21 | 1 | 14 | ++ | 26 |
| Cadmium (incl. waste & scrap) | tonne | 115 | 9373 | 237 | 19876 | 199 | 20076 |
| Cement (copper precipitated) | tonne | 13 | 7520 | - | - | 161 | 7083 |
| Chromium & alloys | tonne | 58 | 50866 | 80 | 63279 | 56 | 36325 |
| Cobalt & alloys | tonne | 80 | 63278 | 37 | 56720 | 218 | 222962 |
| (incl waste and scrap): Total | | | | | | | |
| Cobalt & alloys | tonne | 70 | 54905 | 25 | 52460 | 113 | 165545 |
| Cobalt & scrap | tonne | 10 | 8373 | 12 | 4260 | 105 | 57417 |
| Copper & alloys | tonne | 415782 | 161726801 | 450292 | 175766074 | 511463 | 220349207 |
| (incl. brass & bronze): Total | | | | | | | |
| Brass & bronze | tonne | 31917 | 23316757 | 40008 | 31407198 | 34231 | 27441691 |
| Brass & bronze (scrap) | tonne | 1285 | 287807 | 1794 | 403422 | 2046 | 517816 |
| Copper & alloys | tonne | 379489 | 137136898 | 405326 | 143055151 | 471914 | 191304773 |
| Copper (scrap) | tonne | 3091 | 985339 | 3164 | 900303 | 3272 | 1084927 |
| Copper alloys & scrap | tonne | - | - | - | - | - | - |
| Ferroalloys: Total | tonne | 1350224 | 72257850 | 1541794 | 101280507 | 1955757 | 143284849 |
| Ferroboration | tonne | 53 | 10662 | 91 | 14608 | 103 | 14677 |
| Ferrosilicon | tonne | 449430 | 27954672 | 706756 | 52675081 | 791863 | 60038253 |
| Ferro-charge-chrome | tonne | 1 | 208 | 1 | 362 | 1 | 136 |
| Ferrocobalt | tonne | ++ | 144 | ++ | 146 | ++ | 243 |
| Ferrochromium | tonne | 10 | 6894 | 3 | 6262 | 5 | 9965 |
| Ferromanganese | tonne | 170167 | 8255066 | 127368 | 7317747 | 307108 | 24302484 |
| Ferromolybdenum | tonne | 140 | 53665 | 162 | 121113 | 506 | 440840 |
| Ferro-nickel | tonne | ++ | 73 | ++ | 107 | ++ | 2 |
| Ferro-niobium | tonne | 11 | 24104 | 13 | 19545 | 3 | 4679 |
| Ferro-phosphorus | tonne | 44 | 7562 | 43 | 4968 | 162 | 16559 |
| Ferro-selenium | tonne | ++ | 288 | ++ | 860 | ++ | 1333 |
| Ferro-silicon | tonne | 29912 | 2344427 | 18381 | 1354987 | 20650 | 1815140 |
| Ferrotantalum | tonne | - | - | ++ | 47 | - | - |
| Ferrotitanium | tonne | 120 | 18248 | 299 | 46063 | 564 | 110740 |
| Ferrotungsten | tonne | 16 | 18217 | 11 | 12638 | 6 | 5845 |
| Ferrovanadium | tonne | 67 | 55754 | 460 | 493144 | 213 | 410524 |
| Ferrozirconium | tonne | 5 | 2652 | 58 | 11240 | ++ | 24 |
| Ferro-silico-chrome | tonne | - | - | 8 | 858 | - | - |
| Ferro-silico-magnesium | tonne | 8527 | 866310 | 9249 | 856923 | 10078 | 951910 |
| Ferro-silico-manganese | tonne | 671904 | 31326676 | 672039 | 37948700 | 818015 | 54608451 |
| Ferro alloys (Others) | tonne | 19817 | 1312228 | 6852 | 395108 | 6480 | 553044 |

(Contd.)

FOREIGN TRADE

Table-4 (Contd.)

| | | (Value in ` '000) | | | | | |
|--|-------|-------------------|-----------|----------|-----------|-------------|-----------|
| Metals & Alloys | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Gold (non-monetary & monetary):Total | kg | 135275 | 325665937 | 133032 | 361795422 | 36929 | 96685965 |
| Gold-non-monetary: Total | kg | 135275 | 325665937 | 133032 | 361795422 | 36929 | 96685965 |
| Gold, non-monetary, other unwrought forms | kg | 135272 | 325660716 | 132978 | 361645931 | 36928 | 96685959 |
| Gold, non-monetary: Other Semi manufactured forms | kg | 3 | 5221 | 54 | 149491 | 1 | 6 |
| Gold-clad metals/base metals NES | tonne | - | - | ++ | 137 | ++ | 147 |
| Iron & Steel : Total | tonne | 9122896 | 677365384 | 15440562 | 861511743 | 16989743 | 996976918 |
| Iron & steel (finished steel inc. cr sheet) | tonne | 4082395 | 245249025 | 5724816 | 309416391 | 5934560 | 340070535 |
| Iron & steel (semi-finished steel incl. steel ingot) | tonne | 2671561 | 119641901 | 7274670 | 254345758 | 8110561 | 316858581 |
| Iron & steel (steel wire) | tonne | 157443 | 18119135 | 137394 | 17102043 | 174707 | 21901010 |
| Iron & steel (sponge iron) | tonne | 192823 | 3215978 | 394254 | 6467171 | 588622 | 11054667 |
| Iron & steel (scrap) | tonne | 4917 | 306688 | 11328 | 782088 | 6814 | 567051 |
| Iron & steel: alloy steel (granules) | tonne | 330 | 23543 | 113 | 13224 | 183 | 18119 |
| Iron & steel: alloy steel (powder) | tonne | 224 | 12962 | 5 | 3447 | 19 | 3711 |
| Iron & steel (other finid steel, NES) | tonne | 1975668 | 286253750 | 1810985 | 268043866 | 2015420 | 296484263 |
| Iron & steel material | tonne | 29026 | 2506805 | 78151 | 3528484 | 149177 | 7180871 |
| Iron & steel (stainless steel) | tonne | 8509 | 2035597 | 8846 | 1809271 | 9680 | 2838110 |
| Lead and alloys incl. scrap: Total | tonne | 89389 | 11883141 | 108065 | 15868134 | 159543 | 25572181 |
| Lead & alloys | tonne | 89379 | 11882679 | 108064 | 15867389 | 159530 | 25570818 |
| Lead & scrap | tonne | 10 | 462 | 1 | 745 | 13 | 1363 |
| Magnesium & scrap | tonne | 169 | 36843 | 115 | 14078 | 162 | 28375 |
| Manganese & alloys (incl waste & scrap): Total | tonne | 190 | 150384 | 278 | 178614 | 304 | 207273 |
| Manganese & alloys: (wrought & unwrought) | tonne | 180 | 148421 | 226 | 169430 | 268 | 199911 |
| Manganese & alloys NES | tonne | 10 | 1963 | 9 | 2048 | 6 | 1742 |
| Manganese waste & scrap | tonne | - | - | 43 | 7136 | 30 | 5620 |

(Contd.)

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Table-4 (Concl.)

(Value in ` '000)

| Metals & Alloys | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|--|-------|----------|----------|----------|----------|-------------|----------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Mercury | tonne | 63 | 46787 | 49 | 113381 | 14 | 52544 |
| Molybdenum & scrap | tonne | 12 | 152053 | 12 | 143814 | 292 | 180111 |
| Nickel and alloys (incl. scrap):Total | tonne | 37512 | 32072432 | 8708 | 6115822 | 2799 | 2730937 |
| Nickel & alloys | tonne | 37197 | 31951710 | 8301 | 5973202 | 2262 | 2481832 |
| Nickel scrap | tonne | 315 | 120722 | 407 | 142620 | 537 | 249105 |
| Other rare metals, NES | tonne | ++ | 632 | 1 | 3137 | 3 | 805 |
| Pig & cast Iron (Incl. Spiegeleisen) | tonne | 328278 | 6041510 | 489383 | 9618050 | 557634 | 12533400 |
| Platinum alloys & related metals: Total | kg | 36 | 21310 | 344 | 404007 | 758 | 1261759 |
| Platinum (powder, unwrought & others) | kg | 20 | 8234 | 63 | 14235 | 576 | 988411 |
| Other metals of platinum group | kg | 16 | 13076 | 281 | 389772 | 182 | 273348 |
| Platinum - clad base/precious metals | kg | 10 | 86 | 5 | 414 | 13 | 681 |
| Precious metals / metals clad with precious metals | tonne | 1980 | 29307616 | 3313 | 27814115 | 1188 | 28490396 |
| Selenium | tonne | 85 | 97482 | 203 | 257267 | 174 | 374188 |
| Silicon | tonne | 36 | 9426 | 43 | 7114 | 77 | 35078 |
| Silver | tonne | 24 | 481460 | 28 | 756462 | 27 | 659073 |
| Silver clad base metals | kg | 291 | 2514 | 4049 | 11141 | 1308 | 3869 |
| Tantalum & scrap: Total | tonne | 2 | 42584 | 4 | 62507 | 3 | 58834 |
| Tantalum alloys unwrought | tonne | 1 | 26982 | 1 | 31850 | 1 | 44467 |
| Tantalum & scrap | tonne | 1 | 15602 | 3 | 30657 | 2 | 14367 |
| Tellurium | tonne | ++ | 114 | 1 | 59 | -- | -- |
| Tin & alloys (incl. scrap): total | tonne | 4199 | 3829835 | 1275 | 723630 | 990 | 762616 |
| Tin & alloys | tonne | 3652 | 3754682 | 522 | 591974 | 565 | 712543 |
| Tin & alloys : worked | tonne | 547 | 74663 | 752 | 130773 | 422 | 47466 |
| Tin (scrap) | tonne | ++ | 490 | 1 | 883 | 3 | 2607 |
| Titanium & alloys (incl. waste & scrap) | tonne | 171 | 195611 | 114 | 201474 | 272 | 371051 |
| Tungsten alloys & scrap | kg | 313688 | 1196647 | 372621 | 1198574 | 592946 | 1471428 |
| Zinc and alloys (incl. scrap): total | tonne | 257634 | 34345663 | 228025 | 40967513 | 286979 | 61679962 |
| Zinc & alloys | tonne | 257590 | 34339933 | 227977 | 40960486 | 286763 | 61654611 |
| Zinc (scrap) | tonne | 44 | 5730 | 48 | 7027 | 216 | 25351 |
| Zirconium & scrap | tonne | 236 | 25879 | 11 | 6661 | 7 | 33359 |

Source: DGCI & S, Kolkata

**: Quantity not additive

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Table-5 : Value of Exports of Metals and Alloys, 2015-16 to 2017-18 (P)
(By Principal Metals & Alloys)

| Metals & Alloys | 2015-16 | | 2016-17 | | 2017-18 (P) | | % increase (+) or decrease (-) in 2017-18 over 2016-17 |
|--|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|--|
| | Value (` '000) | % share in total value | Value (` '000) | % share in total value | Value (` '000) | % share in total value | |
| All Metals & Alloys | 1529126142 | 100.00 | 1821860400 | 100.00 | 1902939386 | 100.00 | 4.45 |
| Iron & steel | 677365384 | 44.30 | 861511743 | 47.29 | 996976918 | 52.39 | 15.72 |
| Gold (non-monetary & monetary):Total | 325665937 | 21.30 | 361795422 | 19.86 | 96685965 | 5.08 | -73.28 |
| Aluminium and alloys (incl. scrap) | 171195449 | 11.20 | 216150533 | 11.86 | 307872663 | 16.18 | 42.43 |
| Copper & alloys (incl. brass & bronze) | 161726801 | 10.58 | 175766074 | 9.65 | 220349207 | 11.58 | 25.37 |
| Ferroalloys | 72257850 | 4.73 | 101280507 | 5.56 | 143284849 | 7.53 | 41.47 |
| Zinc and alloys (incl. scrap) | 34345663 | 2.25 | 40967513 | 2.25 | 61679962 | 3.24 | 50.56 |
| Precious metals / metals clad with Precious metals | 29307616 | 1.92 | 27814115 | 1.53 | 28490396 | 1.50 | 2.43 |
| Lead and alloys (incl. scrap) | 11883141 | 0.78 | 15868134 | 0.87 | 25572181 | 1.34 | 61.15 |
| Pig & cast iron (incl. Spiegeleisen) | 6041510 | 0.40 | 9618050 | 0.53 | 12533400 | 0.66 | 30.31 |
| Nickel and alloys (incl. scrap) | 32072432 | 2.10 | 6115822 | 0.34 | 2730937 | 0.14 | -55.35 |
| Tungsten and alloys (incl. scrap) | 1196647 | 0.08 | 1198574 | 0.07 | 1471428 | 0.08 | 22.76 |
| Platinum Alloys & | 21310 | - | 404007 | 0.02 | 1261759 | 0.07 | 212.31 |
| Related Metals | | | | | | | |
| Antimony alloys and scrap | 840903 | 0.05 | 750059 | 0.04 | 970687 | 0.05 | 29.41 |
| Tin and alloys (incl. scrap) | 3829835 | 0.25 | 723630 | 0.04 | 762616 | 0.04 | 5.39 |
| Other metals and alloys | 1375664 | 0.09 | 1896217 | 0.10 | 2296418 | 0.12 | 21.11 |

Source: DGCI & S, Kolkata

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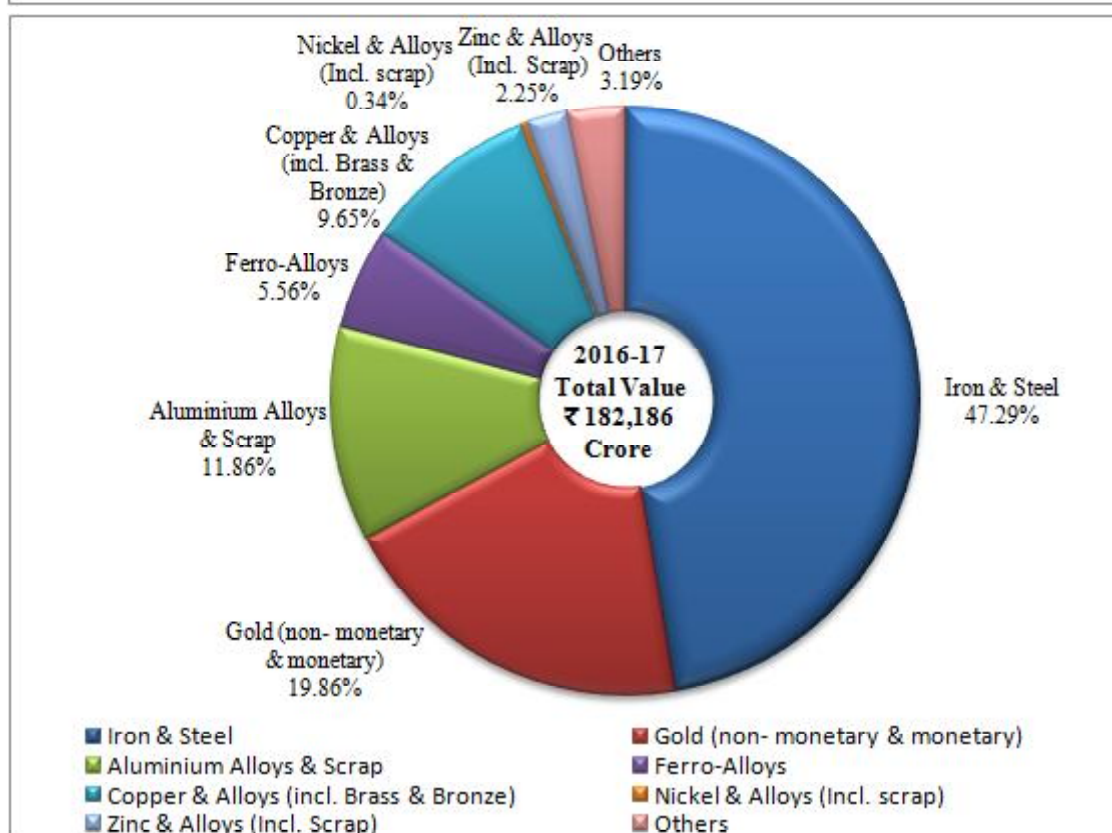
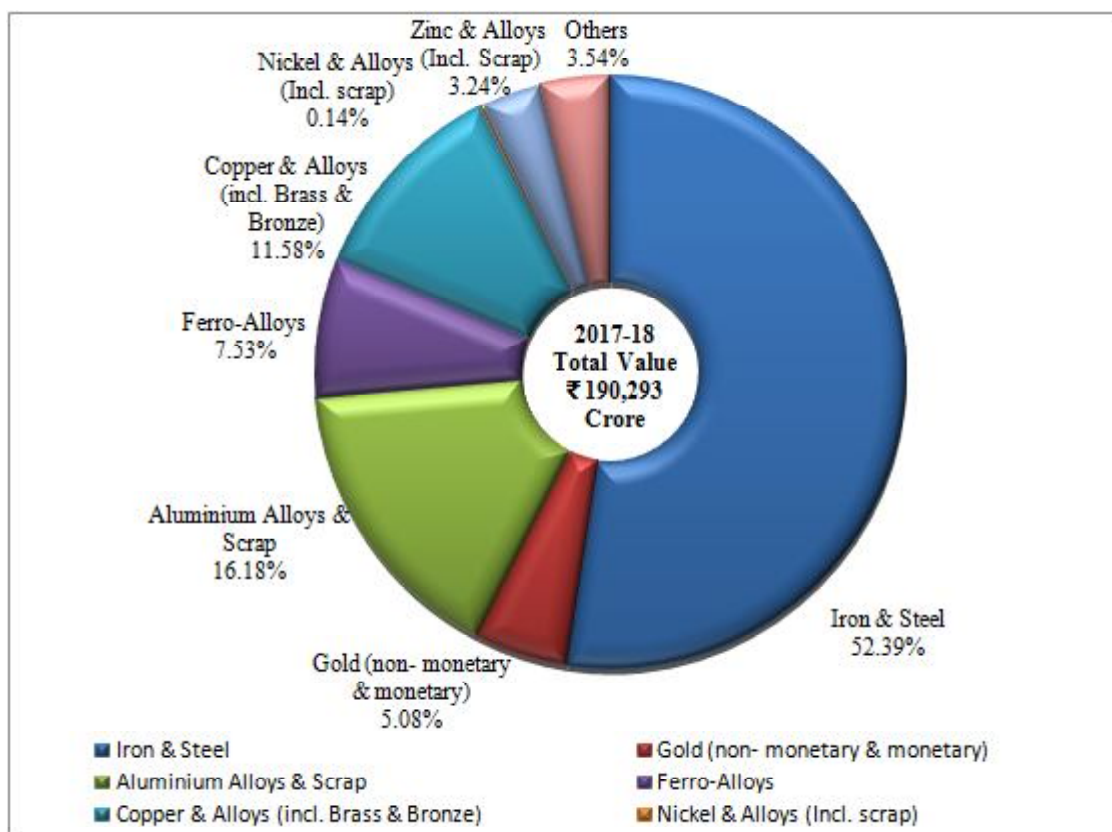
Table-6 : Value of Exports of Metals and Alloys, 2015-16 to 2017-18 (P)
(By Principal Countries)

| Country | 2015-16 | | 2016-17 | | 2017-18 (P) | | % increase (+) or decrease (-) in 2017-18 over 2016-17 |
|-----------------------|-------------------|------------------------|-------------------|------------------------|-------------------|------------------------|--|
| | Value (` '000) | % share in total value | Value (` '000) | % share in total value | Value (` '000) | % share in total value | |
| All Countries | 1529126142 | 100.00 | 1821860400 | 100.00 | 1902939386 | 100.00 | 4.45 |
| UAE | 426956512 | 27.92 | 480869049 | 26.39 | 223950480 | 11.77 | -53.43 |
| USA | 138881805 | 9.08 | 147942546 | 8.12 | 190983997 | 10.04 | 29.09 |
| China | 92582323 | 6.05 | 82473936 | 4.53 | 145525440 | 7.65 | 76.45 |
| Korea, Rep. of | 69642395 | 4.55 | 91604217 | 5.03 | 104020872 | 5.47 | 13.55 |
| Malaysia | 51125302 | 3.34 | 70174205 | 3.85 | 99138733 | 5.21 | 41.28 |
| Italy | 37396228 | 2.45 | 74225479 | 4.07 | 91455937 | 4.81 | 23.21 |
| Nepal | 40282560 | 2.63 | 53562606 | 2.94 | 70969162 | 3.73 | 32.50 |
| Belgium | 26980101 | 1.76 | 58929286 | 3.23 | 61867620 | 3.25 | 4.99 |
| Indonesia | 16250625 | 1.06 | 32533544 | 1.79 | 45880596 | 2.41 | 41.03 |
| Spain | 16231208 | 1.06 | 31898259 | 1.75 | 43196759 | 2.27 | 35.42 |
| Vietnam | 9560154 | 0.63 | 40623506 | 2.23 | 42432330 | 2.23 | 4.45 |
| Bangladesh | 24378437 | 1.59 | 38960409 | 2.14 | 41498402 | 2.18 | 6.51 |
| Chinese Taipei/Taiwan | 22570469 | 1.48 | 49503918 | 2.72 | 41104736 | 2.16 | -16.97 |
| Germany | 35427323 | 2.32 | 34963855 | 1.92 | 39286547 | 2.06 | 12.36 |
| Turkey | 16678532 | 1.09 | 18638791 | 1.02 | 34023788 | 1.79 | 82.54 |
| UK | 26208725 | 1.71 | 30228272 | 1.66 | 33565527 | 1.76 | 11.04 |
| Saudi Arabia | 31204929 | 2.04 | 37078244 | 2.04 | 32299655 | 1.70 | -12.89 |
| Japan | 16903894 | 1.11 | 22367419 | 1.23 | 30593725 | 1.61 | 36.78 |
| Thailand | 16331539 | 1.07 | 24165710 | 1.33 | 29213229 | 1.54 | 20.89 |
| Netherlands | 22781730 | 1.49 | 26106419 | 1.43 | 28139260 | 1.48 | 7.79 |
| Singapore | 31142542 | 2.04 | 29802674 | 1.64 | 26450899 | 1.39 | -11.25 |
| Sri Lanka | 10287219 | 0.67 | 14743056 | 0.81 | 24231470 | 1.27 | 64.36 |
| Mexico | 23289101 | 1.52 | 24016982 | 1.32 | 23671808 | 1.24 | -1.44 |
| Qatar | 8581349 | 0.56 | 6407491 | 0.35 | 22994548 | 1.21 | 258.87 |
| Oman | 12610017 | 0.82 | 16854834 | 0.93 | 21357579 | 1.12 | 26.71 |
| Canada | 12215894 | 0.80 | 11493342 | 0.63 | 18843083 | 0.99 | 63.95 |
| Brazil | 11257213 | 0.74 | 10846415 | 0.60 | 15582723 | 0.82 | 43.67 |
| Philippines | 3321116 | 0.22 | 6029799 | 0.33 | 15456071 | 0.81 | 156.33 |
| Poland | 8364060 | 0.55 | 8986590 | 0.49 | 15411503 | 0.81 | 71.49 |
| Iran | 24723830 | 1.62 | 15217196 | 0.84 | 14612103 | 0.77 | -3.98 |
| Colombia | 4692555 | 0.31 | 4881352 | 0.27 | 12244012 | 0.64 | 150.83 |
| Australia | 9314760 | 0.61 | 10243639 | 0.56 | 12043624 | 0.63 | 17.57 |
| France | 10412222 | 0.68 | 11491340 | 0.63 | 11802414 | 0.62 | 2.71 |
| Nigeria | 9289513 | 0.61 | 5657940 | 0.31 | 11203375 | 0.59 | 98.01 |
| Kenya | 11154166 | 0.73 | 10621782 | 0.58 | 9406902 | 0.49 | -11.44 |
| South Africa | 9308435 | 0.61 | 10418422 | 0.57 | 8993093 | 0.47 | -13.68 |
| Ethiopia | 9894327 | 0.65 | 10725869 | 0.59 | 8753625 | 0.46 | -18.39 |
| Kuwait | 8082166 | 0.53 | 14639005 | 0.80 | 8068413 | 0.42 | -44.88 |
| Hong Kong | 860719 | 0.06 | 975881 | 0.05 | 8065072 | 0.42 | 726.44 |
| Myanmar | 2767320 | 0.18 | 3479532 | 0.19 | 8063179 | 0.42 | 131.73 |
| Egypt | 7896544 | 0.52 | 5756023 | 0.32 | 7687058 | 0.40 | 33.55 |
| Portugal | 3392159 | 0.22 | 6358017 | 0.35 | 7545751 | 0.40 | 18.68 |
| Bahrain | 3905593 | 0.26 | 3085569 | 0.17 | 7526613 | 0.40 | 143.93 |
| Greece | 3031196 | 0.20 | 4216463 | 0.23 | 6685873 | 0.35 | 58.57 |
| Afghanistan | 2240498 | 0.15 | 1097532 | 0.06 | 6630501 | 0.35 | 504.13 |
| Other countries | 148716837 | 9.73 | 126963985 | 6.97 | 140461299 | 7.38 | 10.63 |

Source: DGCI & S, Kolkata

FOREIGN TRADE

Value of Metals & Alloy Exports, 2016-17 and 2017-18



FOREIGN TRADE

Table-7 : Exports of Selected Mineral-based Products, 2015-16 to 2017-18 (P)

| | | (Value in ` '000) | | | | | |
|---|-------------|-------------------|-------------------|----------|-------------------|-------------|-------------------|
| Mineral-based Products | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| All Item | | ** | 1818342757 | ** | 2005224021 | ** | 2318226543 |
| Aluminium fluoride | tonne | 1795 | 123986 | 320 | 26455 | 205 | 20352 |
| Asbestos cement products | tonne | 133004 | 2103471 | 69125 | 1166022 | 62291 | 974759 |
| Asbestos fibre products | tonne | 31916 | 4091562 | 33973 | 4523801 | 35812 | 4636850 |
| Bleaching powder | tonne | 16562 | 568548 | 13773 | 271672 | 16349 | 340455 |
| Boric acid | tonne | 1000 | 81553 | 1872 | 116916 | 1379 | 100727 |
| Briquettes of coke, semi-coke of coal | tonne | 56372 | 406604 | 12343 | 98293 | 18030 | 115737 |
| Calcium carbide | tonne | 371 | 20635 | 493 | 28383 | 464 | 25823 |
| Caustic soda | tonne | 82238 | 2383341 | 84386 | 2762242 | 159624 | 6682927 |
| Cement: Total | tonne | 6222434 | 16588896 | 6850808 | 20017686 | 6655649 | 23035015 |
| Cement (others) | tonne | 1062661 | 1480316 | 265944 | 959027 | 272206 | 940340 |
| Cement (portland grey) | tonne | 2276302 | 7271078 | 2563122 | 8623370 | 2275580 | 7377548 |
| Cement (portland white) | tonne | 34351 | 241478 | 33181 | 253062 | 23630 | 200758 |
| Cement clinker | tonne | 2849120 | 7596024 | 3988561 | 10182227 | 4084233 | 14516369 |
| Cryolite and chiolite | tonne | 38 | 2620 | 96 | 6293 | 70 | 5438 |
| Graphite (artificial) | tonne | 17874 | 1773019 | 18181 | 1600571 | 23693 | 2135591 |
| Graphite bricks & shapes | tonne | 219 | 2774 | 88 | 4713 | 295 | 7746 |
| Graphite crucibles | tonne | 60 | 2534 | 12 | 1478 | 118 | 5495 |
| Hydrofluoric acid | tonne | 2792 | 161045 | 2644 | 162160 | 3169 | 231833 |
| Manganese oxide: Total | tonne | 21850 | 805062 | 15659 | 572813 | 20771 | 1016497 |
| Manganese dioxide | tonne | 2679 | 91320 | 2389 | 77853 | 2545 | 123550 |
| Manganese oxides (other than manganese dioxide) | tonne | 19171 | 713742 | 13270 | 494960 | 18226 | 892947 |
| Petroleum products: Total | '000 tonnes | 60539 | 1767800000 | 65513 | 1948930000 | 66757 | 2251390000 |
| Non-ferrous ash & residues | tonne | 86905 | 395975 | 94912 | 295868 | 116204 | 514765 |
| Other refractory manufactures | tonne | 105845 | 4992006 | 77928 | 6236193 | 60195 | 6037783 |
| Phosphatic fertilisers | tonne | 15510 | 390523 | 24181 | 131548 | 8762 | 68885 |
| Phosphoric acid | tonne | 14955 | 412097 | 227 | 58406 | 569 | 35080 |
| Phosphorus (elemental) | tonne | 486 | 178267 | 455 | 175773 | 455 | 171597 |
| Potash fertilisers | tonne | 26715 | 986880 | 24388 | 737111 | 41323 | 1105976 |
| Potassium nitrate | tonne | 1103 | 181931 | 1015 | 213902 | 920 | 165183 |
| Refractory bricks | tonne | 191826 | 8079742 | 184606 | 9170777 | 202683 | 10442265 |
| Silicon carbide crucibles | tonne | 3415 | 610773 | 5083 | 639444 | 3556 | 595149 |
| Slag (dross, etc. from iron & steel excl. granulated) | tonne | 271213 | 945575 | 384821 | 1390367 | 279098 | 1032990 |
| Soda ash | tonne | 18664 | 393739 | 72525 | 1197987 | 110087 | 1937730 |
| Sodium nitrate | tonne | 57 | 2641 | 86 | 5901 | 7 | 548 |
| Sodium nitrite | tonne | 10342 | 443710 | 10723 | 473538 | 12441 | 552136 |
| Sulphur sublimed precipitated & colloidal: Total | tonne | 12506 | 1116630 | 17020 | 1861386 | 17697 | 1896120 |
| Sulphur (colloidal) | tonne | 2890 | 17643 | 43 | 1179 | 8 | 522 |
| Sulphur (precipitated) | tonne | 60 | 1464 | 135 | 4694 | 52 | 664 |
| Sulphur (sublimed) | tonne | 9556 | 1097523 | 16842 | 1855513 | 17637 | 1894934 |
| Titanium oxide & dioxide: Total | tonne | 40820 | 2296618 | 34042 | 2346322 | 38679 | 2945091 |
| Titanium oxide | tonne | 4438 | 558233 | 8157 | 1018032 | 9562 | 1537655 |
| Titanium dioxides | tonne | 36382 | 1738385 | 25885 | 1328290 | 29117 | 1407436 |

** Quantity not additive

Source: 1) DGCI & S, Kolkata

2) Indian Petroleum and Natural Gas Statistics 2017-18 published by Ministry of Petroleum & Natural Gas

IMPORTS

Ores and Minerals

The value of imports of ores & minerals in 2017-18 accounted for 34.27% of the total value of all merchandise imported into India. During 2017-18, the total value of imports of ores and minerals at ` 10,28,501 crore registered a rise of 27.06% as compared to ` 8,09,445 crore in the year 2016-17.

Petroleum (crude) continued to be the largest constituent item with a share of 54.75% in the total value of minerals imported in 2017-18. Next in order of importance was diamond with a share of 18.49% followed by coal (excluding lignite) with a share of 13.46%, natural gas 5.09% and copper ores & concentrates 2.71%. The combined share of these five minerals was 94.5% in 2017-18 as against 94.24% in the previous year.

The value of imports of some ores & minerals has significantly increased like manganese ore 110.73%, iron ore 95.67%, precious & semi-precious stones (cut & uncut) 87.20%, alumina 80.99%, dolomite 78.77%, magnesite 70.51%, coke 68.41%, copper ore & conc. 52.11%, molybdenum ores & conc. 49.74%, diamond 46.68%, coal (excluding lignite) 38.05%, gypsum 36.41%, zirconium ores & conc. 35.76%, natural gas 30.11%, sulphur (excl. sublimed, precipitated and colloidal) 21.45%, limestone 19%, petroleum (crude) 18.74% during the year 2017-18 as compared to that in the previous year. However, the value of imports in some cases declined by 31.29% in respect of emerald (cut & uncut) followed by other minerals 21.25% and marble 13.18% during the year under review over the previous year.

During 2017-18, minerals were imported from 173 countries. Approximately 91.64% of the total value of imports of ores & minerals was confined

to 35 countries. Out of these countries, 22 countries accounted for about 84.98% of the total value of minerals imported in 2017-18. Iraq occupied the top position in 2017-18 in terms of imports value and accounted for 10.99% of the total mineral imports. Next in the order was Saudi Arabia with 9.65% share followed by UAE 7.12%, Australia 6.73%, Nigeria 5.83%, Iran 5.67%, Indonesia 4.37%, Venezuela 3.67%, Qatar 3.40%, Russia 3.39%, Kuwait 3.31%, Angola 2.70%, South Africa 2.68%, Hong Kong 2.66%, Belgium 2.57%, USA 1.83%, Mexico 1.76%, Oman 1.75%, Brazil 1.41%, Canada 1.33%, Chile 1.13%, and Botswana 1.03%. The individual share of remaining countries was less than one percent.

Around 92% of the total value of imports of ore & minerals was confined to 35 countries. Out of these 35 countries only 22 countries accounted for about 85% of the total value of minerals imported during the year under review. Country-wise analysis of imports of ore and minerals in 2017-18 revealed that imports value from Oman increased seven times (555.35%) and Gabon six times (460.80%). The other countries which recorded significant increase in the value of imports of ores and minerals more than double during the year were other countries 195.05%, USA 147.92%, Mozambique 143.03% and Canada 103.94% followed by Kazakhstan 89.64%, Algeria 81.59%, Chile 72.44%, Kuwait 72.37%, Russia 71.13%, Angola 60.02%, Iraq 45.04%, Mexico 41.79%, China & Equatorial Guinea (40.62% each), South Africa 33.47%, Brazil 28.84%, Australia 28.25%, Azerbaijan 22.65%, Botswana 20.52%, Peru & Nigeria (19.83% each) and Indonesia 17.98%. However, imports value showed a decline of 33.48% for Brunei, 27.65% for Malaysia, 23.12% for Belgium, 16.80% for Turkey and 12.38% for Israel (Tables - 8 to 10).

FOREIGN TRADE

Table - 8 : Imports of Ores & Minerals, 2015-16 to 2017-18 (P)

(Value in ` '000)

| Ores & Minerals | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|-----------------------------------|-------------|----------|-------------------|----------|-------------------|-------------|--------------------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| All Minerals | | ** | 7387889415 | ** | 8094451080 | ** | 10285012919 |
| Abrasives (natural) | tonne | 4943 | 63749 | 4714 | 54479 | 5385 | 68022 |
| Alabaster | tonne | 970 | 24062 | 1056 | 28668 | 1145 | 28996 |
| Alumina | tonne | 998446 | 22924845 | 1403569 | 33417506 | 2224196 | 60483411 |
| Andalusite | tonne | 14072 | 306082 | 10909 | 222534 | 14375 | 318253 |
| Antimony ores and conc. | tonne | 5330 | 924223 | 4756 | 752103 | 5257 | 1093067 |
| Arsenic sulphide (natural) | tonne | 5 | 297 | 12 | 811 | 20 | 1155 |
| Asbestos: Total | tonne | 355686 | 14865511 | 310592 | 11279369 | 357182 | 11603678 |
| Asbestos (chrysotile) | tonne | 354725 | 14834080 | 310592 | 11279369 | 357182 | 11603543 |
| Asbestos (others) | tonne | 961 | 31431 | - | - | ++ | 135 |
| Ball clay | tonne | 167856 | 1298484 | 173359 | 1368666 | 197847 | 1514693 |
| Barytes | tonne | 8433 | 189199 | 8818 | 202527 | 10982 | 237167 |
| Bauxite | tonne | 1116010 | 5982901 | 1894927 | 7785093 | 1461495 | 7727096 |
| Bentonite | tonne | 15225 | 353709 | 28616 | 477965 | 48965 | 657247 |
| Borax: Total | tonne | 133551 | 4429455 | 129407 | 4359797 | 160134 | 4753976 |
| Natural borate | tonne | 53973 | 1413805 | 51976 | 1400792 | 73386 | 1713685 |
| Sodium borate | tonne | 75974 | 2739111 | 67230 | 2417843 | 76415 | 2486188 |
| Other borates | tonne | 3604 | 276539 | 10201 | 541162 | 10333 | 554103 |
| Building & monumental stones, NES | tonne | 521202 | 1138891 | 147855 | 506700 | 104197 | 419045 |
| Calcite | tonne | 43812 | 219917 | 54563 | 264364 | 74152 | 353344 |
| Chalk | tonne | 6174 | 46310 | 8211 | 48111 | 6989 | 36764 |
| Chromite: Total | tonne | 187663 | 2266406 | 154226 | 2105121 | 160504 | 2981861 |
| Chrome ore others | tonne | 22981 | 346341 | 40062 | 520622 | 37252 | 607802 |
| Chrome ore conc. | tonne | 11195 | 206037 | 11066 | 167943 | 6803 | 173381 |
| Chrome ore lumps | tonne | 153487 | 1714028 | 103098 | 1416556 | 116449 | 2200678 |
| Clay (others) | tonne | 19485 | 266438 | 18997 | 261133 | 24339 | 302247 |
| Coal (excl. lignite) | '000 tonnes | 204000 | 861073456 | 191014 | 1003162924 | 208279 | 1384845576 |
| Coal:lignite | '000 tonnes | ++ | 5519 | ++ | 652 | ++ | 1335 |
| Coal gas | tonne | ++ | 75 | - | - | 2 | 30 |
| Cobalt ores & conc. | tonne | 25 | 44193 | - | - | - | - |
| Coke | tonne | 3019502 | 31956109 | 4368063 | 54356105 | 4589015 | 91542188 |
| Copper ores & conc. | tonne | 1886199 | 262965391 | 1143216 | 182986972 | 1488163 | 278344776 |
| Corundum (natural) | tonne | -- | -- | ++ | 18 | 1 | 29 |
| Diamond: Total | | ** | 1105651209 | ** | 1296740696 | ** | 1902035832 |
| Diamond (industrial) | carat | 527650 | 495369 | 954463 | 798242 | 1147013 | 910898 |
| Diamond (mostly cut) # | carat | ** | 1103784711 | ** | 1294426046 | ** | 1899129688 |
| Diamond (powder) | '000 carat | 287431 | 1371129 | 387540 | 1516408 | 699426 | 1995246 |

(Contd.)

FOREIGN TRADE

Table-8 (Contd.)

(Value in ` '000)

| Ores & Minerals | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|------------------------------------|-------------|----------|----------|----------|-----------|-------------|----------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Diatomite | tonne | 2023 | 87086 | 3142 | 113035 | 2426 | 88318 |
| Dolomite | tonne | 1931136 | 2998295 | 2010665 | 2999705 | 5360336 | 5362525 |
| Earth Clay | tonne | 12 | 850 | 598 | 3525 | 42 | 1844 |
| Emerald (cut & uncut) | | ** | 87263269 | ** | 113428795 | ** | 77934749 |
| Emerald (uncut) | tonne | 42 | 6643106 | 8 | 18249167 | 60 | 39699940 |
| Emerald (cut) | '000 carat | 85280 | 80620163 | 96284 | 95179628 | 50546 | 38234809 |
| Felspar (natural) | tonne | 25716 | 177877 | 35582 | 161647 | 16752 | 147951 |
| Felspar (cut & uncut) | | ** | 21267 | ** | 46896 | ** | 48136 |
| Felspar (uncut) | tonne | 1 | 14827 | 3 | 43535 | 21 | 19955 |
| Felspar (cut) | '000 carat | 399 | 6440 | 585 | 3361 | 4378 | 28181 |
| Fire clay | tonne | 393 | 16841 | 1829 | 60726 | 1765 | 110852 |
| Flint | tonne | 1279 | 17412 | 1712 | 24263 | 4431 | 56232 |
| Fluorite/Fluorspar | tonne | 163113 | 2908707 | 190446 | 2992257 | 221818 | 3958977 |
| Garnet (abrasive) | tonne | 883 | 11053 | 2286 | 22193 | 2256 | 21243 |
| Garnet (cut and uncut) | | ** | 62630 | ** | 222296 | ** | 335897 |
| Garnet (uncut) | tonne | 7 | 59778 | 4 | 204824 | 13 | 277801 |
| Garnet (cut) | '000 carat | 26 | 2852 | 1571 | 17472 | 3702 | 58096 |
| Granite : Total | tonne | 70288 | 2474283 | 51419 | 1683156 | 60340 | 1760531 |
| Granite (crude or roughly trimmed) | tonne | 42677 | 1252865 | 29740 | 773768 | 39142 | 983351 |
| Granite (cut blocks/slabs) | tonne | 14746 | 371882 | 12717 | 303108 | 14389 | 342116 |
| Granite (polished blocks/tiles) | tonne | 2663 | 76453 | 2273 | 87216 | 1150 | 45195 |
| Granite (others) | tonne | 10202 | 773083 | 6689 | 519064 | 5659 | 389869 |
| Graphite (natural) | tonne | 26160 | 1213354 | 37046 | 1391091 | 39863 | 1487947 |
| Gypsum | tonne | 4068412 | 5713627 | 4423811 | 6051112 | 5740955 | 8254199 |
| Iron Ore: Total | '000 tonnes | 7099 | 31971444 | 4607 | 21615219 | 8706 | 42293972 |
| Iron ore conc: non agglomerated | '000 tonnes | 2565 | 11462874 | 2352 | 10404621 | 2210 | 12707090 |
| Iron ore fines | '000 tonnes | 2543 | 10392709 | 866 | 3825369 | 3797 | 11958941 |
| Iron ore lumps | '000 tonnes | 1709 | 8162529 | 994 | 4824935 | 2123 | 12138902 |
| Iron ore pellets | '000 tonnes | 279 | 1907301 | 392 | 2520827 | 571 | 5434369 |
| Iron ore pyrites | '000 tonnes | 3 | 46031 | 3 | 39467 | 5 | 54670 |
| Kaolin | tonne | 118524 | 1996776 | 142928 | 2393952 | 192541 | 2787444 |
| Kieselguhr | tonne | ++ | 73 | ++ | 139 | ++ | 98 |
| Kyanite | tonne | 478 | 16913 | 748 | 16619 | 620 | 17807 |
| Lead ores & conc. | tonne | 5334 | 264663 | 6217 | 318697 | 2220 | 149369 |
| Limestone | tonne | 17187164 | 23772768 | 18300359 | 24384182 | 20827697 | 29016416 |

(Contd.)

FOREIGN TRADE

Table-8 (Contd.)

(Value in ` '000)

| Ores & Minerals | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|---|-------|----------|-----------|----------|-----------|-------------|-----------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Magnesite : Total | tonne | 118788 | 3256840 | 142599 | 3089947 | 229630 | 5268653 |
| Magnesia (fused) | tonne | 10348 | 430234 | 7961 | 335634 | 16320 | 1049128 |
| Magnesite (not calcined) | tonne | 33166 | 146403 | 53833 | 158425 | 63048 | 219644 |
| Magnesite (calcined) | tonne | 4019 | 146577 | 11062 | 259910 | 35060 | 930628 |
| Magnesite:dead-burnt magnesia | tonne | 46306 | 1589859 | 40332 | 1218748 | 65155 | 1458690 |
| Magnesium oxide | tonne | 15024 | 575690 | 15549 | 583658 | 22263 | 805411 |
| Magnesite (other) | tonne | 9925 | 368077 | 13862 | 533572 | 27784 | 805152 |
| Manganese Ore: Total | tonne | 2216864 | 17413688 | 1908258 | 24028138 | 3567271 | 50633967 |
| Manganese ore | tonne | 588896 | 5376550 | 349679 | 4713328 | 327431 | 5971223 |
| (46% or more Mn) | | | | | | | |
| Manganese ore (35% or more but below 46% Mn) | tonne | 1385986 | 10479877 | 1058082 | 12582178 | 2095807 | 30130889 |
| Manganese ore (30% or more but below 35% Mn) | tonne | 199508 | 1358838 | 90339 | 794569 | 494928 | 4658514 |
| Manganese ore (ferruginous, 10 % or more but below 30%) | tonne | 27362 | 120220 | 30069 | 232961 | 50684 | 420398 |
| Manganese ore (others) | tonne | 15112 | 78203 | 380089 | 5705102 | 598421 | 9452943 |
| Marble : Total | tonne | 858061 | 27392157 | 882265 | 26142989 | 1164248 | 22696789 |
| Marble (dressed) | tonne | 715794 | 17764553 | 724933 | 15714716 | 1033531 | 16371890 |
| Marble (others) | tonne | 142267 | 9627604 | 157332 | 10428273 | 130717 | 6324899 |
| Mica: Total | tonne | 2471 | 895589 | 3257 | 944983 | 4312 | 1079667 |
| Mica (Unmanufactured) | tonne | 984 | 56495 | 1909 | 86177 | 1890 | 108126 |
| Mica (blocks) | tonne | 73 | 3803 | 193 | 6295 | 123 | 6106 |
| Mica (powder) | tonne | 317 | 27701 | 468 | 40779 | 552 | 51105 |
| Mica (splittings) | tonne | 590 | 24045 | 878 | 30511 | 681 | 35875 |
| Mica (waste & scrap) | tonne | 4 | 946 | 370 | 8592 | 534 | 15040 |
| Mica (Worked) | tonne | 1487 | 839094 | 1348 | 858806 | 2422 | 971541 |
| Mica (cond. films, plates, cuts NES) | tonne | 14 | 4457 | 2 | 3963 | 458 | 33911 |
| Mica (washers & discs) | tonne | ++ | 98 | ++ | 240 | 1 | 515 |
| Mica (sheets & strips) | tonne | 187 | 21668 | 91 | 15209 | 177 | 26926 |
| Micanite & other built-up mica | tonne | ++ | 1 | - | - | - | - |
| Mica (bricks) | tonne | - | - | - | - | - | - |
| Mica worked (others) | tonne | 1286 | 812870 | 1255 | 839394 | 1786 | 910189 |
| Molybdenum ores & conc. | tonne | 7511 | 4903721 | 7139 | 5442499 | 9169 | 8149457 |
| Natural gas | tonne | 14376924 | 437824474 | 17783327 | 402490252 | 20176813 | 523664504 |
| Nickel ores & conc. | tonne | 3295 | 2453862 | 1062 | 818094 | - | - |
| Niobium or tantalum | tonne | 191 | 246581 | 169 | 284038 | 185 | 228699 |
| Ochre: Total | tonne | 135 | 33919 | 122 | 19061 | 58 | 14580 |
| Ochre (earth colours) | tonne | 48 | 3860 | 80 | 4723 | 6 | 3131 |
| Ochre (yellow ochre) | tonne | 7 | 4877 | 26 | 9861 | 6 | 2700 |

(Contd.)

FOREIGN TRADE

Table-8 (Concl.)

(Value in ` '000)

| Ores & Minerals | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|---|-------------|----------|------------|----------|------------|-------------|------------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Ochre (persian red) | tonne | 2 | 1840 | 2 | 1573 | 1 | 448 |
| Ochre (red oxide) | tonne | 78 | 23342 | 14 | 2904 | 45 | 8301 |
| Petroleum (crude) | '000 tonnes | 202314 | 4293999336 | 214886 | 4742189329 | 218104 | 5630977139 |
| Precious & semi-precious stones (cut & uncut): Total | | ** | 21000369 | ** | 24660623 | ** | 46165230 |
| Precious & semi-precious stones (uncut) | tonne | 733 | 18329975 | 1627 | 21217503 | 1743 | 39214945 |
| Precious & semi-precious stones (cut) | '000 carat | 49389 | 2670394 | 52805 | 3443120 | 284211 | 6950285 |
| Precious metal ores & concentrates | kg | 78654 | 13658295 | 83322 | 19423078 | 15298 | 3363976 |
| Quartz & quartzite: Total | tonne | 1224 | 43801 | 383 | 12001 | 977 | 22058 |
| Quartz (natural) | tonne | 1027 | 33656 | 237 | 6124 | 612 | 8192 |
| Quartzite (natural) | tonne | 197 | 10145 | 146 | 5877 | 365 | 13866 |
| Rock phosphate | tonne | 8037745 | 65290422 | 7511445 | 49513134 | 7702634 | 45457006 |
| Salt (other than common salt) | tonne | 55642 | 173741 | 52901 | 173687 | 67555 | 291750 |
| Sand, (excl. metal bearing) | tonne | 165150 | 375079 | 31668 | 140869 | 361957 | 530105 |
| Sandstone | tonne | 26 | 3101 | ++ | 21 | 203 | 4161 |
| Silica Sand | tonne | 18788 | 226224 | 102430 | 516410 | 130187 | 475196 |
| Sillimanite | tonne | 214 | 9044 | 24 | 3029 | 18 | 1028 |
| Slate | tonne | 134 | 11295 | 18 | 5323 | 138 | 9621 |
| Talc/Steatite/Soapstone: Total | tonne | 4533 | 198575 | 3593 | 204909 | 4548 | 249143 |
| Steatite (blocks) | tonne | - | - | - | - | 1 | 13 |
| Steatite lumps | tonne | 55 | 779 | 107 | 887 | 190 | 1596 |
| Steatite powder & others | tonne | 4478 | 197796 | 3486 | 204022 | 4357 | 247534 |
| Sulphur (excl. sublimed precipitated & colloidal) | tonne | 1432632 | 14172610 | 1345520 | 8751428 | 1206433 | 10628790 |
| Tin ores & conc. | tonne | 82 | 58039 | 68 | 37334 | 57 | 56980 |
| Titanium ores & conc.: Total | tonne | 106422 | 1637170 | 39444 | 867776 | 163690 | 3297466 |
| Titanium ores & conc. (ilmenite) | tonne | 90991 | 916146 | 25121 | 252948 | 135224 | 1923741 |
| Titanium ores & conc. (rutile) | tonne | 11649 | 557798 | 9322 | 427599 | 21049 | 1132193 |
| Titanium ores & conc. (others) | tonne | 3782 | 163226 | 5001 | 187229 | 7417 | 241532 |
| Tripoli earth | tonne | 20 | 825 | 19 | 817 | ++ | - |
| Tungsten ores & conc. | tonne | 78 | 34080 | 283 | 29630 | 350 | 23609 |
| Vanadium ores & others | tonne | 64 | 6301 | 268 | 15868 | 491 | 89745 |
| Vermiculite | tonne | 439 | 15093 | 551 | 14412 | 321 | 7415 |
| Witherite | tonne | ++ | 20 | - | - | - | - |
| Wollastonite | tonne | 2818 | 53218 | 3483 | 73052 | 11461 | 156397 |
| Zinc ores & conc. | tonne | 385 | 18721 | 1771 | 86640 | - | - |
| Zirconium ores & conc. | tonne | 53208 | 3691649 | 73932 | 4569039 | 83781 | 6202746 |
| Other minerals, NES | tonne | 59203 | 805957 | 299438 | 1590851 | 536329 | 2082739 |

Source: DGCI&S, Kolkata

** Quantity not additive

FOREIGN TRADE

**Table -9 : Value of Imports of Ores & Minerals, 2015-16 to 2017-18 (P)
(By Principal Ores/Minerals)**

| Ores & Minerals | 2015-16 | | 2016-17 | | 2017-18 (P) | | % increase (+) or decrease (-) in 2017-18 over 2016-17 |
|---|-------------------|------------------------|-------------------|------------------------|--------------------|------------------------|--|
| | Value ('000) | % share in total value | Value ('000) | % share in total value | Value ('000) | % share in total value | |
| All Minerals | 7387889415 | 100.00 | 8094451080 | 100.00 | 10285012919 | 100.00 | 27.06 |
| Petroleum (crude) | 4293999336 | 58.12 | 4742189329 | 58.59 | 5630977139 | 54.75 | 18.74 |
| Diamond | 1105651209 | 14.97 | 1296740696 | 16.02 | 1902035832 | 18.49 | 46.68 |
| Coal (excluding lignite) | 861073456 | 11.66 | 1003162924 | 12.39 | 1384845576 | 13.46 | 38.05 |
| Natural gas | 437824474 | 5.93 | 402490252 | 4.97 | 523664504 | 5.09 | 30.11 |
| Copper ores & conc. | 262965391 | 3.56 | 182986972 | 2.26 | 278344776 | 2.71 | 52.11 |
| Coke | 31956109 | 0.43 | 54356105 | 0.67 | 91542188 | 0.89 | 68.41 |
| Emerald (cut & uncut) | 87263269 | 1.18 | 113428795 | 1.40 | 77934749 | 0.76 | -31.29 |
| Alumina | 22924845 | 0.31 | 33417506 | 0.41 | 60483411 | 0.59 | 80.99 |
| Manganese ore | 17413688 | 0.24 | 24028138 | 0.30 | 50633967 | 0.49 | 110.73 |
| Precious & semi-precious stones (cut & uncut):Total | 21000369 | 0.28 | 24660623 | 0.30 | 46165230 | 0.45 | 87.20 |
| Rock phosphate | 65290422 | 0.88 | 49513134 | 0.61 | 45457006 | 0.44 | -8.19 |
| Iron ore | 31971444 | 0.43 | 21615219 | 0.27 | 42293972 | 0.41 | 95.67 |
| Limestone | 23772768 | 0.32 | 24384182 | 0.30 | 29016416 | 0.28 | 19.00 |
| Marble | 27392157 | 0.37 | 26142989 | 0.32 | 22696789 | 0.22 | -13.18 |
| Asbestos | 14865511 | 0.20 | 11279369 | 0.14 | 11603678 | 0.11 | 2.88 |
| Sulphur (excluding sublimed precipitated & colloidal) | 14172610 | 0.19 | 8751428 | 0.11 | 10628790 | 0.10 | 21.45 |
| Bauxite | 5982901 | 0.08 | 7785093 | 0.10 | 7727096 | 0.08 | -0.74 |
| Gypsum | 5713627 | 0.08 | 6051112 | 0.07 | 8254199 | 0.08 | 36.41 |
| Molybdenum ores & conc. | 4903721 | 0.07 | 5442499 | 0.07 | 8149457 | 0.08 | 49.74 |
| Zirconium ores & conc. | 3691649 | 0.05 | 4569039 | 0.06 | 6202746 | 0.06 | 35.76 |
| Magnesite | 3256840 | 0.04 | 3089947 | 0.04 | 5268653 | 0.05 | 70.51 |
| Dolomite | 2998295 | 0.04 | 2999705 | 0.04 | 5362525 | 0.05 | 78.77 |
| Other minerals | 41805324 | 0.57 | 45366024 | 0.56 | 35724220 | 0.35 | -21.25 |

Source: DGCI&S, Kolkata

FOREIGN TRADE

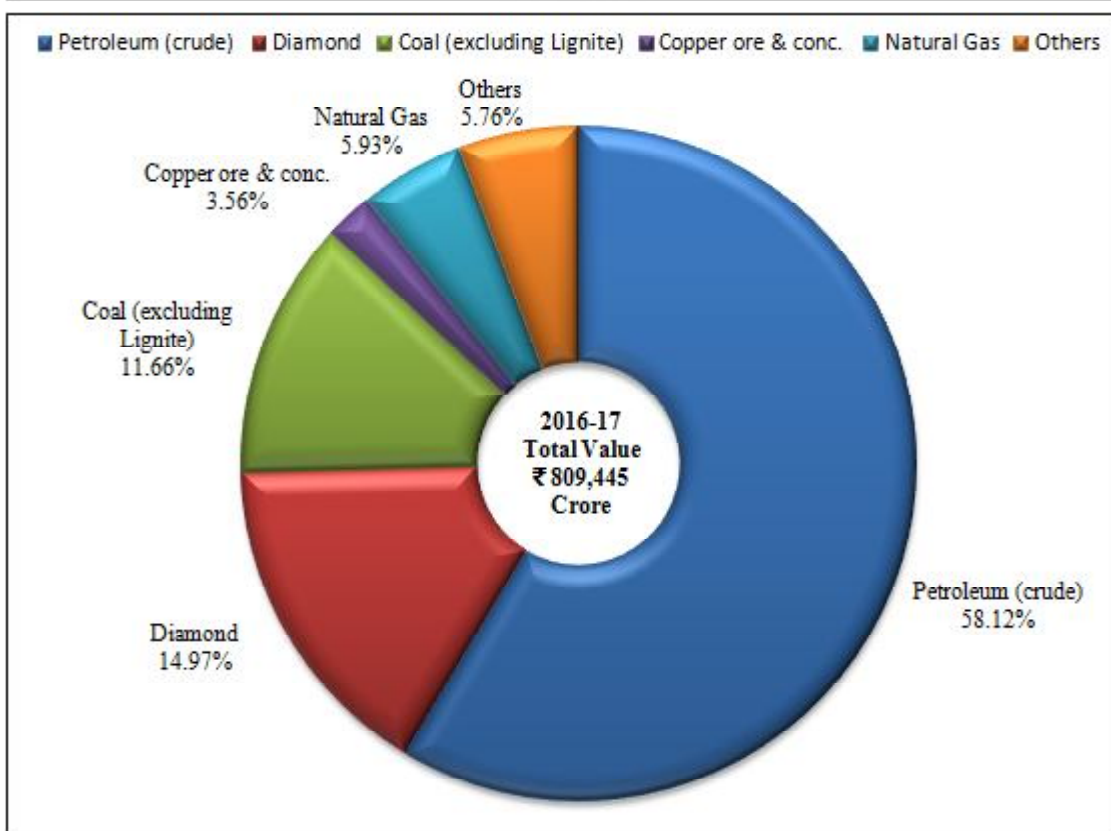
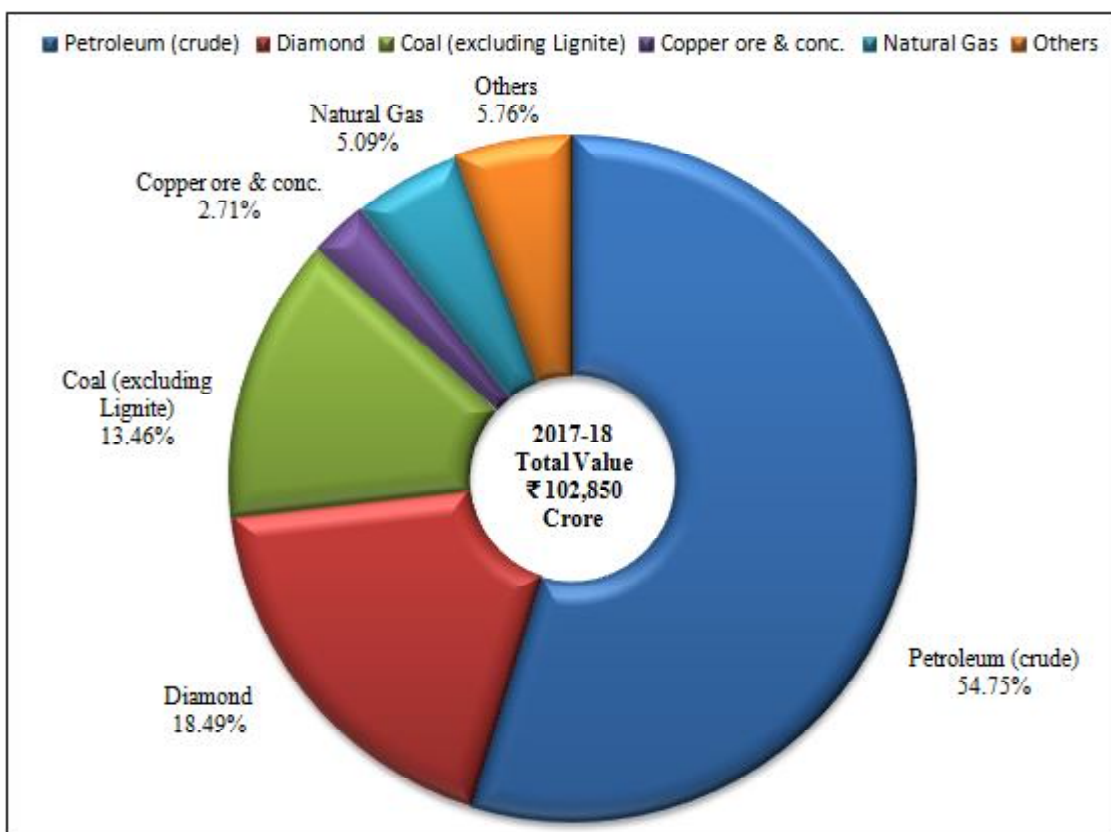
**Table- 10 : Value of Imports of Ores & Minerals, 2015-16 to 2017-18 (P)
(By Principal Countries)**

| Country | 2015-16 | | 2016-17 | | 2017-18 (P) | | % increase (+) or decrease (-) in 2017-18 over 2016-17 |
|----------------------|-------------------|------------------------|-------------------|------------------------|--------------------|------------------------|--|
| | Value ('000) | % share in total value | Value ('000) | % share in total value | Value ('000) | % share in total value | |
| All Countries | 7387889415 | 100.00 | 8094451080 | 100.00 | 10285012919 | 100.00 | 27.06 |
| Iraq | 700457091 | 9.48 | 779032785 | 9.62 | 1129911533 | 10.99 | 45.04 |
| Saudi Arabia | 917829923 | 12.42 | 951489440 | 11.75 | 992088649 | 9.65 | 4.27 |
| UAE | 629011059 | 8.51 | 788405664 | 9.74 | 731980904 | 7.12 | -7.16 |
| Australia | 393311990 | 5.32 | 539958186 | 6.67 | 692505493 | 6.73 | 28.25 |
| Nigeria | 637927090 | 8.63 | 500589811 | 6.18 | 599849451 | 5.83 | 19.83 |
| Iran | 279566740 | 3.78 | 601091548 | 7.43 | 582948443 | 5.67 | -3.02 |
| Indonesia | 375549119 | 5.08 | 380914748 | 4.71 | 449386580 | 4.37 | 17.98 |
| Venezuela | 369980764 | 5.01 | 369226719 | 4.56 | 377510453 | 3.67 | 2.24 |
| Qatar | 398208928 | 5.39 | 341719994 | 4.22 | 350050953 | 3.40 | 2.44 |
| Russia | 106681143 | 1.44 | 203056251 | 2.51 | 348708256 | 3.39 | 71.73 |
| Kuwait | 234322605 | 3.17 | 197779296 | 2.44 | 340921925 | 3.31 | 72.37 |
| Angola | 179369997 | 2.43 | 173825033 | 2.15 | 278148619 | 2.70 | 60.02 |
| South Africa | 198385759 | 2.69 | 206426344 | 2.55 | 275523389 | 2.68 | 33.47 |
| Hong Kong | 206867821 | 2.80 | 257993200 | 3.19 | 273809177 | 2.66 | 6.13 |
| Belgium | 432768913 | 5.86 | 343382955 | 4.24 | 264008664 | 2.57 | -23.12 |
| USA | 71162041 | 0.96 | 75946111 | 0.94 | 188288591 | 1.83 | 147.92 |
| Mexico | 93883096 | 1.27 | 127465888 | 1.57 | 180728162 | 1.76 | 41.79 |
| Oman | 43634276 | 0.59 | 27491815 | 0.34 | 180166788 | 1.75 | 555.35 |
| Brazil | 105711399 | 1.43 | 112929573 | 1.40 | 145501463 | 1.41 | 28.84 |
| Canada | 55430779 | 0.75 | 67003367 | 0.83 | 136647932 | 1.33 | 103.94 |
| Chile | 112588478 | 1.52 | 67655852 | 0.84 | 116665348 | 1.13 | 72.44 |
| Botswana | 33606492 | 0.45 | 87586948 | 1.08 | 105556669 | 1.03 | 20.52 |
| Malaysia | 90164218 | 1.22 | 136649687 | 1.69 | 98870940 | 0.96 | -27.65 |
| Israel | 69375997 | 0.94 | 75388236 | 0.93 | 66053226 | 0.64 | -12.38 |
| Egypt | 61130168 | 0.83 | 60733411 | 0.75 | 64237773 | 0.62 | 5.77 |
| Algeria | 15042370 | 0.20 | 34636630 | 0.43 | 62896824 | 0.61 | 81.59 |
| China | 41743217 | 0.57 | 43123929 | 0.53 | 60642478 | 0.59 | 40.62 |
| Mozambique | 16000997 | 0.22 | 21263047 | 0.26 | 51675008 | 0.50 | 143.03 |
| Equatl. Guinea | 29951093 | 0.41 | 53437826 | 0.66 | 48501736 | 0.47 | -9.24 |
| Kazakhstan | 20982643 | 0.28 | 24718250 | 0.31 | 46874500 | 0.46 | 89.64 |
| Azerbaijan | 3973459 | 0.05 | 30655595 | 0.38 | 37598913 | 0.37 | 22.65 |
| Peru | 21579274 | 0.29 | 30741018 | 0.38 | 36835831 | 0.36 | 19.83 |
| Turkey | 19265378 | 0.26 | 34346129 | 0.42 | 28575681 | 0.28 | -16.80 |
| Brunei | 35877836 | 0.49 | 42067915 | 0.52 | 27983827 | 0.27 | -33.48 |
| Gabon | 5574981 | 0.08 | 4269671 | 0.05 | 23944181 | 0.23 | 460.80 |
| Other countries | 380972281 | 5.16 | 301448208 | 3.72 | 889414559 | 8.65 | 195.05 |

Source: DGCI&S, Kolkata

FOREIGN TRADE

Value of Mineral Imports, 2016-17 and 2017-18



Metals & Alloys

The value of imports of metals & alloys at ` 4,11,825 crore showed an increase of 21.92% in 2017-18 as compared to ` 3,37,788 crore in the previous year. The share of metals & alloys in the total value of all merchandise imported to India was about 13.72 percent in 2017-18.

Gold, non-monetary & monetary (total) with a share of 52.71% continued to occupy the top position in the total value of imports of metals and alloys in 2017-18. Iron & steel is placed in the second position and accounted for share of 21.10%, aluminium & alloys including scrap occupied the third place with a share of 7.08% and copper & alloys incl. brass & bronze occupied the fourth place with a share of 7.06%. Next in the order were silver with 5.03% followed by Ferro alloys, zinc & alloys including scrap and lead & zinc including scrap 1.61%, 1.29% and 1.27% respectively. The individual share of remaining metals was less than one percent of the total value of metals & alloys.

The value of imports of the metals & alloys which have shown significant growth are platinum alloys & related metals 80.51%, cobalt & alloys incl. waste & scrap 73.59%, silver 68.09%, titanium & alloys incl. waste & scrap 53.25%, manganese & alloys incl. waste and scrap 43.95%, other metals & alloys 38.73%, tin & alloys incl. scrap 34.66%, lead & alloys incl. scrap 31.04%, ferro alloys 29.70%, silicon 28.60%, copper & alloys incl. brass & bronze 27.94%, aluminium & alloys incl. scrap 24.99%, iron & steel 19.84%, gold (non-monetary & monetary) 18%, zinc & alloys incl. scrap 13.32% and tungsten & alloys incl. scrap 10.26% in 2017-18 as compared to that in the previous year. On the other hand, during 2017-18, the value of imports of metals and alloys that showed a declining trend include pig & cast iron incl. spiegeleisen, 10.34% and magnesium & scrap 2.78% as compared to the previous year.

India imported metals & alloys from various countries in 2017-18. Bulk of the metal and alloys having share of more than 1% of the total value was imported from 20 countries which accounted for 84.8% of the total value of metals & alloys imported in 2017-18. Switzerland occupied the top position with a share of 27.06% of the total value of metal imports in 2017-18 followed by UAE in second place with a share of 8.18%. The countries next in order were China which occupied the third place with a share of 7.47% and Rep. of Korea was at the fourth place with a share of 5.51%. The other countries with share more than 2% include USA 5.22%, Ghana 3.81%, Hong Kong 3.47%, Japan 2.83%, Peru 2.80%, South Africa 2.75%, UK 2.46% and Malaysia 2.26%. The contribution with share less than 2% but more than 1% include Australia 1.92%, Germany 1.55%, Zambia 1.40%, Indonesia 1.39%, Russia 1.17% and Thailand 1.02%. The remaining countries are those with a share less than one percent.

During the year under review, imports in terms of value from Uzbekistan increased by manifold (1620.98%) and for many other countries import value rose up more than 100% for instance, Bolivia 273.20%, Guinea 196.99%, Peru 185.83%, Burkina Faso 151.65%, Hong Kong 147.26% and Vietnam 126.56%. The other countries which have recorded significant positive growth in imports are Philippines 97.67%, Israel 78.36%, Tanzania 77.63% Australia 67.26%, UK 59.35%, Brazil 63.40% and Kuwait 61.09% as compared to previous year Imports of selected mineral-based products during 2015-16 to 2017-18 are furnished in Table-14.

On the other hand the value of imports of metals & alloys, showed a declining trend for Turkey 16.17%, Mexico 55.94%, Austria 55.65%, Canada 55.42%, Poland 32.17%, Oman 48.31% and South Africa 19.83% (Tables - 11 to 13).

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Table- 11 : Imports of Metals and Alloys, 2015-16 to 2017-18 (P)

(Value in ` '000)

| Metals & Alloys | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|--|-------|-----------|-------------------|-----------|-------------------|-------------|---------------------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| All Metals & alloys | | ** | 3903716916 | ** | 3377884248 | ** | 4118254664 # |
| Aluminium & alloys incl. scrap | tonne | 1670538 | 224193035 | 1750582 | 233259468 | 1957740 | 291548386 |
| Antimony alloys & scrap | tonne | 1163 | 520244 | 864 | 396709 | 1344 | 737084 |
| Bismuth & scrap | tonne | 205 | 197694 | 207 | 159311 | 271 | 205696 |
| Boron | tonne | ++ | 1280 | 1 | 9076 | 1 | 7701 |
| Cadmium & scrap | tonne | 5053 | 372979 | 4737 | 446607 | 6519 | 800453 |
| Chromium alloys & scrap | tonne | 840 | 540333 | 982 | 534573 | 1086 | 622048 |
| Cobalt alloys & scrap: Total | tonne | 813 | 1799462 | 902 | 1972147 | 875 | 3423422 |
| Cobalt & alloys | tonne | 813 | 1799262 | 902 | 1972147 | 875 | 3423422 |
| Cobalt & scrap | tonne | ++ | 200 | - | - | - | - |
| Copper & alloys (incl. brass & bronze): Total | tonne | 619885 | 215201921 | 656057 | 227236243 | 710254 | 290730497 |
| Brass & bronze | tonne | 28597 | 10903116 | 26101 | 10969804 | 31618 | 14535612 |
| Brass & bronze (scrap) | tonne | 123124 | 29807286 | 125088 | 29831631 | 128594 | 34908094 |
| Copper & alloys | tonne | 409387 | 154428567 | 458731 | 171225797 | 504206 | 224545373 |
| Copper (scrap) | tonne | 58777 | 20062952 | 46137 | 15209011 | 45836 | 16741419 |
| Copper alloys & scrap | tonne | - | - | - | - | - | - |
| Copper (cement copper precipitated) | tonne | - | - | ++ | 31 | - | - |
| Ferro alloys : Total | tonne | 361997 | 44137175 | 468245 | 51012884 | 544266 | 66164515 |
| Ferroboron | tonne | 966 | 179916 | 1349 | 181830 | 1223 | 165544 |
| Ferrochrome | tonne | 91263 | 7703306 | 73433 | 8004752 | 38792 | 5772151 |
| Ferro alloys: charge-chrome | tonne | 32045 | 1710279 | 11151 | 549561 | 15468 | 997214 |
| Ferromanganese | tonne | 47273 | 2983426 | 109605 | 6197334 | 123910 | 9085573 |
| Ferromolybdenum | tonne | 704 | 640857 | 1026 | 741934 | 1753 | 1607055 |
| Ferronickel | tonne | 40207 | 15410698 | 62768 | 17396666 | 155318 | 24901795 |
| Ferroniobium | tonne | 1572 | 3837041 | 1783 | 3737118 | 2815 | 5165317 |
| Ferrophosphorous | tonne | 2126 | 57588 | 3098 | 62679 | 3899 | 92568 |
| Ferrosilicon | tonne | 139258 | 10114698 | 195086 | 12618930 | 190552 | 15697226 |
| Ferrotitanium | tonne | 2180 | 633541 | 2722 | 579422 | 1963 | 509721 |
| Ferrotungsten | tonne | 7 | 11777 | 3 | 5266 | 3 | 4746 |
| Ferrovanadium | tonne | 347 | 406343 | 311 | 372113 | 718 | 1489369 |
| Ferrozirconium | tonne | 313 | 47515 | 339 | 45224 | 461 | 57211 |
| Ferro-silico-chrome | tonne | 27 | 1469 | 25 | 2967 | - | - |
| Ferro-silico-magnesium | tonne | 399 | 35592 | 345 | 32588 | 1177 | 110154 |
| Ferro-silico-manganese | tonne | 177 | 9513 | 1623 | 86025 | 2913 | 179334 |
| Ferro alloys (others) | tonne | 3133 | 353616 | 3578 | 398475 | 3301 | 329537 |

(Contd.)

FOREIGN TRADE

Table-11 (Contd.)

(Value in ` 000)

| Metals & Alloys | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|---|-------|----------|------------|----------|------------|-------------|------------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Gold (non-monetary & monetary):Total | kg | 968075 | 2074874959 | 778449 | 1839601333 | 955182 | 2170720693 |
| Gold monetary | kg | - | - | - | - | - | - |
| Gold non-monetary: Total | kg | 968075 | 2074874959 | 778449 | 1839601333 | 955182 | 2170720693 |
| Gold non-monetary, Powder | kg | 33 | 76629 | 2 | 104 | 2 | 2262 |
| Gold non-Monetary: other semi manufactured forms | kg | 8201 | 19175264 | 13021 | 9363178 | 2188 | 5324602 |
| Gold non-monetary, other unwrought forms | kg | 959841 | 2055623066 | 765426 | 1830238051 | 952992 | 2165393829 |
| Gold-clad metal/base metals,NES | tonne | ++ | 4965 | ++ | 4605 | - | 340 |
| Iron & Steel : Total | tonne | 21898078 | 925898939 | 14706046 | 725054176 | 15157470 | 868869916 |
| Iron & steel (finished steel incl. Cr sheet) | tonne | 5289563 | 311617460 | 3765493 | 257185561 | 4164360 | 298309359 |
| Iron & steel (semi-finished steel incl. steel ingots) | tonne | 8028420 | 230065929 | 3686644 | 126547223 | 3781928 | 153318568 |
| Iron & steel (steel wire) | tonne | 220535 | 15585165 | 246958 | 17576290 | 230451 | 19567606 |
| Iron & Steel (sponge iron) | tonne | 31226 | 600355 | 38136 | 560414 | 79329 | 1329360 |
| Iron & Steel (scrap) | tonne | 7218869 | 184440584 | 5719949 | 137854665 | 5427661 | 165878997 |
| Iron & steel: alloy steel (granules) | tonne | 16076 | 761179 | 18641 | 797026 | 21117 | 987971 |
| Iron & steel: alloy steel (powder) | tonne | 2433 | 584090 | 1681 | 347979 | 3028 | 464228 |
| Iron & steel (other finished steel, NES) | tonne | 700871 | 158830312 | 618654 | 155314158 | 787026 | 192386777 |
| Iron & steel material | tonne | 334058 | 14272034 | 534533 | 20233081 | 583091 | 25375960 |
| Iron & steel (stainless steel) | tonne | 56027 | 9141831 | 75357 | 8637779 | 79479 | 11251090 |
| Lead and alloys & scrap: Total | tonne | 268607 | 32144471 | 304913 | 40065602 | 351648 | 52503753 |
| Lead & alloys | tonne | 209883 | 26265198 | 238262 | 32861867 | 253352 | 40639649 |
| Lead (scrap) | tonne | 58724 | 5879273 | 66651 | 7203735 | 98296 | 11864104 |
| Magnesium & scrap | tonne | 20187 | 3054942 | 25029 | 3938055 | 25001 | 3828671 |
| Manganese & alloys (incl waste & scrap): Total | tonne | 29045 | 3606505 | 37436 | 4778615 | 55818 | 6878790 |
| Manganese & alloys: (wrought & unwrought) | tonne | 28850 | 3564075 | 37288 | 4756709 | 55766 | 6871294 |
| Manganese & alloys, NES | tonne | 195 | 42430 | 106 | 19851 | 52 | 7496 |
| Manganese waste & scrap | tonne | - | - | 42 | 2055 | - | - |
| Mercury | tonne | 228 | 486156 | 273 | 426734 | 148 | 324536 |
| Molybdenum & scrap | tonne | 351 | 1148230 | 398 | 1104069 | 393 | 1197143 |

(Contd.)

FOREIGN TRADE

Table-11 (Concl.)

(Value in ` '000)

| Metals & Alloys | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|---|-------|----------|-----------|----------|-----------|-------------|-----------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Nickel and alloys incl. scrap: Total | tonne | 71080 | 58556855 | 49539 | 37077252 | 62259 | 40778023 |
| Nickel & alloys | tonne | 69070 | 57724031 | 46878 | 35988099 | 58521 | 39217134 |
| Nickel (scrap) | tonne | 2010 | 832824 | 2661 | 1089153 | 3738 | 1560889 |
| Other rare metals, NES | tonne | 172 | 486696 | 276 | 487052 | 414 | 966031 |
| Pig & cast iron incl. spiegeleisen | tonne | 62422 | 3979009 | 77264 | 4824785 | 64223 | 4325786 |
| Platinum alloys & related metals | kg | 8536 | 13756840 | 7072 | 12581542 | 12099 | 22710833 |
| Platinum (powder, unwrought & others) | kg | 3740 | 7742374 | 3861 | 8411508 | 6808 | 13342862 |
| Other metals of platinum group | kg | 4796 | 6014466 | 3211 | 4170034 | 5291 | 9367971 |
| Platinum-clad base /precious metal | kg | 3 | 736 | 21 | 15916 | 25 | 5375 |
| Precious metals / metals clad with precious metals | tonne | ++ | 533638 | ++ | 206058 | ++ | 517719 |
| Selenium | tonne | 317 | 527902 | 539 | 527923 | 254 | 585920 |
| Silicon | tonne | 46252 | 5651587 | 49804 | 5506073 | 83116 | 7080884 |
| Silver | tonne | 7428 | 244357988 | 3359 | 123293266 | 5879 | 207248886 |
| Silver clad base metal | kg | 189 | 1185 | 138 | 2964 | 216 | 2740 |
| Tantalum & scrap: Total | tonne | 6 | 70619 | 2 | 50893 | 4 | 104055 |
| Tantalum alloys unwrought | tonne | 6 | 70561 | 2 | 50858 | 4 | 104000 |
| Tantalum & scrap | tonne | ++ | 58 | ++ | 35 | - | 55 |
| Tellurium | tonne | 2 | 16249 | 2 | 13212 | 3 | 13734 |
| Tin & alloys (incl. scrap): Total | tonne | 12500 | 12736791 | 9179 | 11714969 | 12202 | 15775529 |
| Tin & alloys | tonne | 12110 | 12619957 | 9033 | 11625659 | 11987 | 15647702 |
| Tin (scrap) | tonne | - | - | ++ | 150 | - | 179 |
| Tin & alloys : worked | tonne | 390 | 116834 | 146 | 89160 | 215 | 127648 |
| Titanium & alloys (incl. waste & scrap) | tonne | 1869 | 3062798 | 2937 | 2914906 | 4394 | 4466987 |
| Tungsten and alloys incl. scrap | kg | 384803 | 1591491 | 400849 | 1558902 | 465226 | 1718862 |
| Zinc and alloys (incl. scrap) | tonne | 227303 | 30128362 | 310820 | 47056547 | 272772 | 53324306 |
| Zinc & alloys | tonne | 168359 | 23734742 | 241074 | 38274764 | 191601 | 40230229 |
| Zinc (scrap) | tonne | 58944 | 6393620 | 69746 | 8781783 | 81171 | 13094077 |
| Zirconium & scrap | tonne | 37 | 74880 | 27 | 51750 | 22 | 65331 |

Source: DGCI & S, Kolkata

** Quantity not additive

Under reference

FOREIGN TRADE

**Table- 12 : Value Imports of Metals and Alloys, 2015-16 to 2017-18
(By Principal Metals & Alloys)**

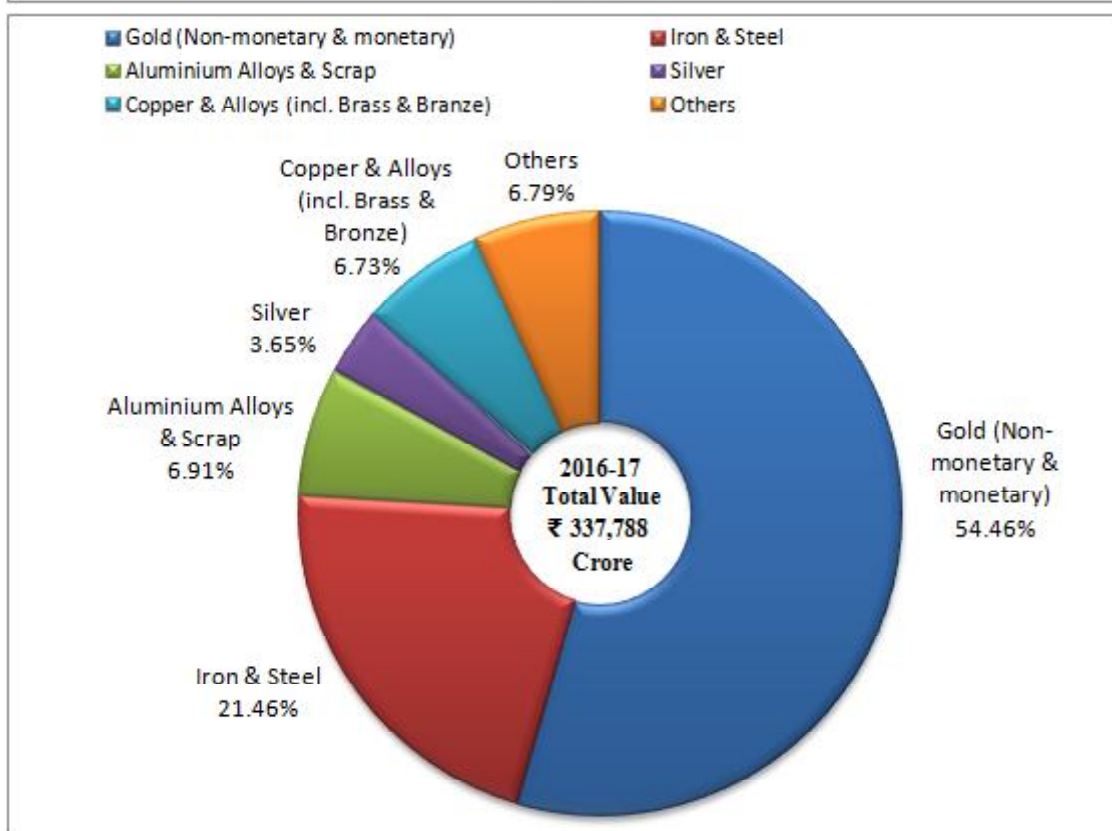
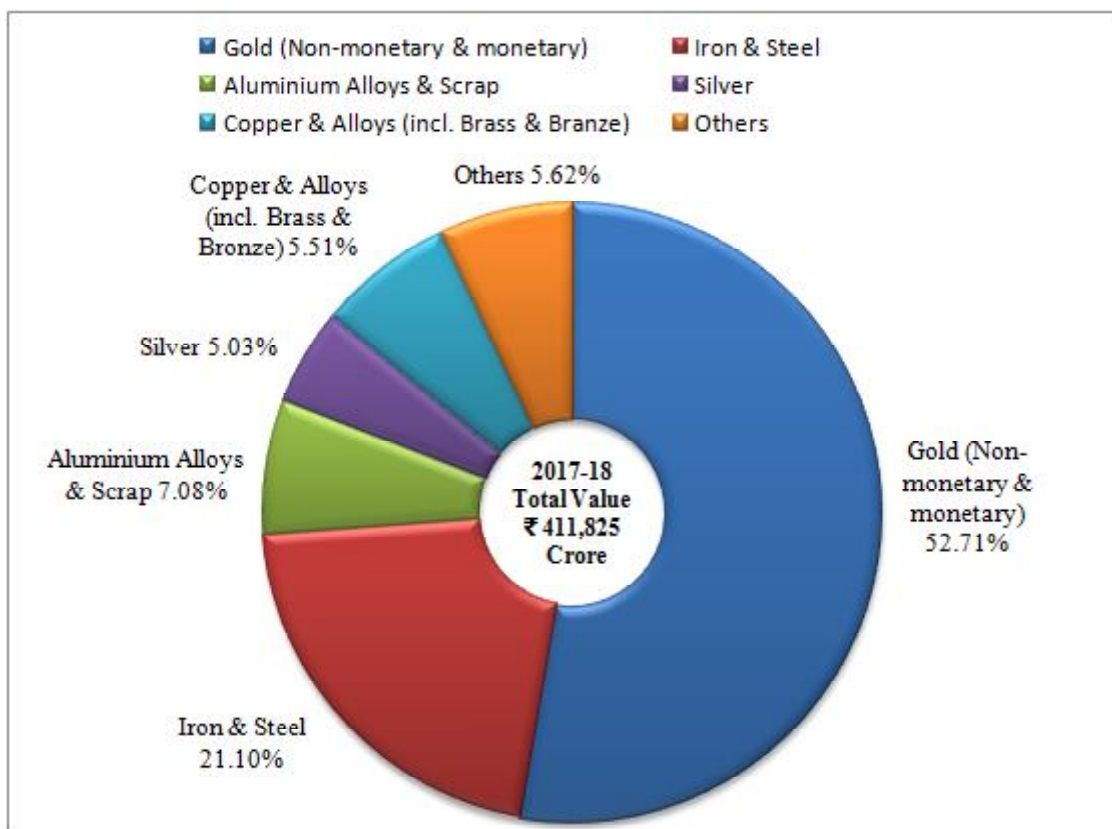
| Metals & Alloys | 2015-16 | | 2016-17 | | 2017-18 (P) | | % increase (+) or decrease (-) in 2017-18 over 2016-17 |
|--|-------------------|------------------------|-------------------|------------------------|---------------------|------------------------|--|
| | Value (` '000) | % share in total value | Value (` '000) | % share in total value | Value (` '000) | % share in total value | |
| All Metals & Alloys | 3903716916 | 100.00 | 3377884248 | 100.00 | 4118254664 # | 100.00 | 21.92 |
| Gold (non-monetary & monetary):Total | 2074874959 | 53.15 | 1839601333 | 54.46 | 2170720693 | 52.71 | 18.00 |
| Iron & steel | 925898939 | 23.72 | 725054176 | 21.46 | 868869916 | 21.10 | 19.84 |
| Aluminium and alloys incl. scrap | 224193035 | 5.74 | 233259468 | 6.91 | 291548386 | 7.08 | 24.99 |
| Copper & alloys (incl. brass & bronze) | 215201921 | 5.51 | 227236243 | 6.73 | 290730497 | 7.06 | 27.94 |
| Silver | 244357988 | 6.26 | 123293266 | 3.65 | 207248886 | 5.03 | 68.09 |
| Ferro alloys | 44137175 | 1.13 | 51012884 | 1.51 | 66164515 | 1.61 | 29.70 |
| Zinc and alloys incl. scrap | 30128362 | 0.77 | 47056547 | 1.39 | 53324306 | 1.29 | 13.32 |
| Lead and alloys incl. scrap | 32144471 | 0.82 | 40065602 | 1.19 | 52503753 | 1.27 | 31.04 |
| Nickel and alloys incl. scrap | 58556855 | 1.50 | 37077252 | 1.10 | 40778023 | 0.99 | 9.98 |
| Platinum alloys & related metals | 13756840 | 0.35 | 12581542 | 0.37 | 22710833 | 0.55 | 80.51 |
| Tin and alloys incl. scrap | 12736791 | 0.33 | 11714969 | 0.35 | 15775529 | 0.38 | 34.66 |
| Silicon | 5651587 | 0.14 | 5506073 | 0.16 | 7080884 | 0.17 | 28.60 |
| Pig & cast iron (incl. spiegeleisen) | 3979009 | 0.10 | 4824785 | 0.14 | 4325786 | 0.11 | -10.34 |
| Manganese & alloys (incl. waste & scrap) | 3606505 | 0.09 | 4778615 | 0.14 | 6878790 | 0.17 | 43.95 |
| Magnesium & scrap | 3054942 | 0.08 | 3938055 | 0.12 | 3828671 | 0.09 | -2.78 |
| Titanium & alloys (incl. waste & scrap) | 3062798 | 0.08 | 2914906 | 0.09 | 4466987 | 0.11 | 53.25 |
| Cobalt & alloys (incl. waste and scrap) | 1799462 | 0.05 | 1972147 | 0.06 | 3423422 | 0.08 | 73.59 |
| Tungsten and alloys incl. scrap | 1591491 | 0.04 | 1558902 | 0.05 | 1718862 | 0.04 | 10.26 |
| Other metals & alloys | 4983786 | 0.13 | 4437483 | 0.13 | 6155906 | 0.15 | 38.73 |

Source: DGCI&S, Kolkata.

Under reference

FOREIGN TRADE

Value of Metals & Alloy Imports, 2016-17 and 2017-18



FOREIGN TRADE

**Table-13 : Value Imports of Metals and Alloys, 2015-16 to 2017-18
(By Principal Countries)**

| Country | 2015-16 | | 2016-17 | | 2017-18 (P) | | % increase (+) or decrease (-) in 2017-18 over 2016-17 |
|----------------------|-------------------|------------------------|-------------------|------------------------|---------------------|------------------------|--|
| | Value ('000) | % share in total value | Value ('000) | % share in total value | Value ('000) | % share in total value | |
| All Countries | 3903716916 | 100.00 | 3377884248 | 100.00 | 4118254664 # | 100.00 | 21.92 |
| Switzerland | 1146991946 | 29.38 | 1041952419 | 30.85 | 1114508482 | 27.06 | 6.96 |
| UAE | 318568110 | 8.16 | 306072578 | 9.06 | 336952233 | 8.18 | 10.09 |
| China | 328822442 | 8.42 | 275970878 | 8.17 | 307808624 | 7.47 | 11.54 |
| Korea, Rep. of | 190635514 | 4.88 | 174512993 | 5.17 | 226904243 | 5.51 | 30.02 |
| USA | 234325484 | 6.00 | 163599382 | 4.84 | 214799774 | 5.22 | 31.30 |
| South Africa | 145129719 | 3.72 | 141320668 | 4.18 | 113302138 | 2.75 | -19.83 |
| Ghana | 182880400 | 4.68 | 119917980 | 3.55 | 156949051 | 3.81 | 30.88 |
| Japan | 134646970 | 3.45 | 98460304 | 2.91 | 116373467 | 2.83 | 18.19 |
| Malaysia | 68810136 | 1.76 | 73701485 | 2.18 | 93012041 | 2.26 | 26.20 |
| UK | 153155694 | 3.92 | 63452418 | 1.88 | 101112030 | 2.46 | 59.35 |
| Germany | 66329020 | 1.70 | 59478969 | 1.76 | 64011811 | 1.55 | 7.62 |
| Hong Kong | 13537080 | 0.35 | 57804394 | 1.71 | 142925756 | 3.47 | 147.26 |
| Australia | 90912273 | 2.33 | 47377871 | 1.40 | 79241937 | 1.92 | 67.26 |
| Zambia | 29168207 | 0.75 | 44825046 | 1.33 | 57817172 | 1.40 | 28.98 |
| Dominican Rep. | 29996400 | 0.77 | 43804644 | 1.30 | 40828915 | 0.99 | -6.79 |
| Russia | 79827982 | 2.04 | 42126964 | 1.25 | 48331627 | 1.17 | 14.73 |
| Peru | 31358067 | 0.80 | 40288501 | 1.19 | 115155145 | 2.80 | 185.83 |
| Indonesia | 37122031 | 0.95 | 40099062 | 1.19 | 57134088 | 1.39 | 42.48 |
| Thailand | 34300192 | 0.88 | 36752845 | 1.09 | 42039380 | 1.02 | 14.38 |
| Canada | 41028775 | 1.05 | 32835425 | 0.97 | 14638840 | 0.36 | -55.42 |
| Vietnam | 15455002 | 0.40 | 27061478 | 0.80 | 61310781 | 1.49 | 126.56 |
| Singapore | 41598546 | 1.07 | 26591488 | 0.79 | 32257202 | 0.78 | 21.31 |
| Saudi Arabia | 27980654 | 0.72 | 26216743 | 0.78 | 32911113 | 0.80 | 25.53 |
| Tanzania | 32572956 | 0.83 | 21989326 | 0.65 | 39058739 | 0.95 | 77.63 |
| Italy | 25535317 | 0.65 | 21646563 | 0.64 | 22542006 | 0.55 | 4.14 |
| France | 17455781 | 0.45 | 21027928 | 0.62 | 21343602 | 0.52 | 1.50 |

(Contd.)

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Table-13 (Concl'd.)

| Country | 2015-16 | | 2016-17 | | 2017-18 (P) | | % increase (+) or decrease (-) in 2017-18 over 2016-17 |
|-----------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|--|
| | Value ('000) | % share in total value | Value ('000) | % share in total value | Value ('000) | % share in total value | |
| Brazil | 32696415 | 0.84 | 20686814 | 0.61 | 33801961 | 0.82 | 63.40 |
| Chinese Taipei/Taiwan | 23581072 | 0.60 | 17948278 | 0.53 | 23317709 | 0.57 | 29.92 |
| Netherlands | 18111463 | 0.46 | 17364685 | 0.51 | 25217670 | 0.61 | 45.22 |
| Colombia | 29755824 | 0.76 | 16105347 | 0.48 | 21286569 | 0.52 | 32.17 |
| Belgium | 18090812 | 0.46 | 14386305 | 0.43 | 14929184 | 0.36 | 3.77 |
| Burkina Faso | 14121336 | 0.36 | 13765881 | 0.41 | 34642357 | 0.84 | 151.65 |
| Oman | 13039165 | 0.33 | 13353269 | 0.40 | 6902970 | 0.17 | -48.31 |
| Turkey | 6200244 | 0.16 | 12356602 | 0.37 | 10359066 | 0.25 | -16.17 |
| Austria | 9916254 | 0.25 | 11487680 | 0.34 | 5094437 | 0.12 | -55.65 |
| Bolivia | 15520792 | 0.40 | 11466680 | 0.34 | 42793251 | 1.04 | 273.20 |
| Bahrain | 12926876 | 0.33 | 10486437 | 0.31 | 12176455 | 0.30 | 16.12 |
| Mexico | 3836954 | 0.10 | 10209403 | 0.30 | 4498556 | 0.11 | -55.94 |
| Sweden | 10839564 | 0.28 | 9355857 | 0.28 | 11523938 | 0.28 | 23.17 |
| Guinea | 14208009 | 0.36 | 9117078 | 0.27 | 27077060 | 0.66 | 196.99 |
| Spain | 11041947 | 0.28 | 9042932 | 0.27 | 10025661 | 0.24 | 10.87 |
| Qatar | 6892206 | 0.18 | 8128024 | 0.24 | 11864208 | 0.29 | 45.97 |
| Poland | 7431406 | 0.19 | 7761887 | 0.23 | 5264821 | 0.13 | -32.17 |
| Lao, Pd. Rep. | 5037341 | 0.13 | 7584872 | 0.22 | 7935603 | 0.19 | 4.62 |
| Norway | 6329650 | 0.16 | 6880153 | 0.20 | 9046916 | 0.22 | 31.49 |
| Congo, P. Rep. | 4803056 | 0.12 | 5977749 | 0.18 | 6128740 | 0.15 | 2.53 |
| Bhutan | 5348954 | 0.14 | 5846399 | 0.17 | 8365529 | 0.20 | 43.09 |
| Philippines | 5710603 | 0.15 | 5106567 | 0.15 | 10094068 | 0.25 | 97.67 |
| Kuwait | 4592011 | 0.12 | 4628172 | 0.14 | 7455577 | 0.18 | 61.09 |
| Uzbekistan | 149856 | 0.00 | 273705 | 0.01 | 4710413 | 0.11 | 1620.98 |
| Israel | 2239071 | 0.06 | 2577051 | 0.08 | 4596313 | 0.11 | 78.36 |
| Bangladesh | 2609622 | 0.07 | 3958653 | 0.12 | 5596219 | 0.14 | 41.37 |
| Other countries | 100541715 | 2.58 | 73139416 | 2.17 | 100279216 | 2.43 | 37.11 |

Source: DGCI&S, Kolkata.

: under reference

FOREIGN TRADE

Table- 14 : Imports of Selected Mineral-Based Products, 2015-16 to 2017-18

(Value in ` '000)

| Mineral-based Product | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|---|-------------|----------|------------------|----------|------------------|-------------|------------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| All Item | | ** | 910925284 | ** | 951538485 | ** | 1143090865 |
| Aluminium fluoride | tonne | 27258 | 1810221 | 46564 | 2643714 | 49759 | 2907543 |
| Asbestos cement products | tonne | 26385 | 494037 | 28416 | 526153 | 29031 | 535896 |
| Asbestos fibre products | tonne | 5459 | 2735037 | 5227 | 2711359 | 4479 | 2994152 |
| Bleaching powder | tonne | ++ | 3 | - | - | 1 | 362 |
| Boric acid | tonne | 15183 | 732378 | 20529 | 897345 | 7412 | 304862 |
| Briquettes of coke, semi-coke of coal | tonne | - | - | 296 | 5915 | 3 | 237 |
| Calcium carbide | tonne | 61936 | 2542903 | 55691 | 2365221 | 55651 | 2394098 |
| Caustic soda | tonne | 484133 | 11702098 | 425734 | 11237080 | 421297 | 15338168 |
| Cement : Total | tonne | 1358862 | 6117578 | 2037600 | 8531912 | 2617597 | 10408733 |
| Cement (others) | tonne | 160385 | 1326230 | 149286 | 1251500 | 305905 | 2021339 |
| Cement (portland grey) | tonne | 950287 | 3645654 | 1552088 | 6057382 | 1390222 | 5528577 |
| Cement (portland white) | tonne | 12597 | 97780 | 11413 | 97394 | 72149 | 321795 |
| Cement clinker | tonne | 235593 | 1047914 | 324813 | 1125636 | 849321 | 2537022 |
| Cryolite and chiolite | tonne | 16497 | 448797 | 29796 | 447618 | 8293 | 240861 |
| Graphite (artificial) | tonne | 27696 | 2818434 | 43768 | 4137126 | 67225 | 6250259 |
| Graphite bricks & shapes | tonne | 155 | 66981 | 46 | 17165 | 811 | 86383 |
| Graphite crucibles | tonne | 58 | 4879 | 71 | 2005 | 26 | 4024 |
| Hydrofluoric acid | tonne | 2251 | 151943 | 314 | 26497 | 249 | 30825 |
| Manganese oxide: Total | tonne | 13191 | 961951 | 19502 | 1081332 | 14662 | 1073813 |
| Manganese dioxide | tonne | 8225 | 743182 | 9572 | 760079 | 7760 | 771226 |
| Manganese oxides (other than manganese dioxide) | tonne | 4966 | 218769 | 9930 | 321253 | 6902 | 302587 |
| Petroleum products: Total | '000 tonnes | 29456 | 653610000 | 36287 | 715660000 | 35892 | 869460000 |
| Non-ferrous ash & residues | tonne | 39115 | 2727590 | 51434 | 3510047 | 74356 | 3672999 |
| Other refractory manufactures | tonne | 43237 | 3770691 | 22521 | 2930474 | 196057 | 3449267 |
| Phosphatic fertilisers | tonne | 145 | 8951 | 106 | 6357 | 123 | 20478 |
| Phosphoric acid | tonne | 2192097 | 109650501 | 2490986 | 98873274 | 2961670 | 111954691 |

(Contd.)

FOREIGN TRADE

Table-14 (Concl.d.)

(Value in ` '000)

| Mineral-based Product | Unit | 2015-16 | | 2016-17 | | 2017-18 (P) | |
|--|-------|----------|----------|----------|----------|-------------|----------|
| | | Quantity | Value | Quantity | Value | Quantity | Value |
| Phosphorus (elemental) | tonne | 24530 | 4658200 | 28356 | 5285023 | 30639 | 5407470 |
| Potash fertiliser | tonne | 3594923 | 78216424 | 4185124 | 69662647 | 5114248 | 78745036 |
| Potassium nitrate | tonne | 257 | 24820 | 345 | 30157 | 108 | 9520 |
| Refractory bricks | tonne | 249639 | 14151754 | 137087 | 7267766 | 387014 | 12163022 |
| Silicon carbide crucibles | tonne | 179 | 17688 | 161 | 10432 | 126 | 21681 |
| Slag (dross, etc. from iron & steel exc. granulated) | tonne | 21 | 82 | 113818 | 496506 | 171472 | 1026483 |
| Soda ash | tonne | 633263 | 10170662 | 695309 | 10249029 | 772621 | 11175650 |
| Sodium nitrate | tonne | 426 | 11038 | 925 | 24558 | 211 | 7604 |
| Sodium nitrite | tonne | 14777 | 444689 | 15491 | 483374 | 21163 | 829329 |
| Sulphur (sublimed precipitated & colloidal): Total | tonne | 885 | 106389 | 249 | 38254 | 467 | 56993 |
| Sulphur (colloidal) | tonne | 44 | 5731 | 66 | 9533 | 82 | 11122 |
| Sulphur precipitated | tonne | 831 | 99028 | 140 | 23567 | 47 | 6791 |
| Sulphur sublimed | tonne | 10 | 1630 | 43 | 5154 | 338 | 39080 |
| Titanium oxide & dioxide: Total | tonne | 17192 | 2768565 | 14181 | 2380145 | 13785 | 2520426 |
| Titanium oxides | tonne | 771 | 197631 | 279 | 85864 | 13699 | 2477077 |
| Titanium dioxide | tonne | 16421 | 2570934 | 13902 | 2294281 | 86 | 43349 |

Source: 1) DGCI & S, Kolkata

2) Indian Petroleum & Natural Gas Statistics published by Ministry of Petroleum & Natural Gas

**: Quantity not additive