# Chapter-I

## Introduction, Objectives, Scope and Coverage

### Introduction

The programme of Census of Mining & Quarrying Industries (CMQI) was initiated in 1962-63. So far 22 reports have been published. The present report is the 23rd of the series and covers mining establishments including those holding leases/licenses for crude oil, natural gas, coal and other minerals in all the provinces of Pakistan. This report presents data for all minerals at national and provincial levels.

Mining in Pakistan has considerable potential but its contribution to Gross Domestic Product (GDP) was only 2 % in 2004-05 at current prices. This is largely because of complex and non-renewable character of the mineral resources found in Pakistan. The complicated and lengthy nature of operations and the heavy cost involved in the exploration process and risky results makes mining a highly intricate and demanding task.

Most operations require intensive investigation work, considerable capital, advanced skills and high risks before any stage of profitability can be reached. Foreign companies of various countries are involved in the exploration and production of oil and gas.

### Objectives

1. The main objective of the CMQI is to commensurate mining and quarrying activities in terms of gross output, gross value added, employment and employment cost.
2. To obtain production data and the input structure.

### Scope

The CMQI 2004-05 covered establishments engaged in mining and quarrying activities relating to extraction of minerals and fossil fuels whether solid, liquid or gas, both in the private and public sectors in all the provinces and federal capital Islamabad has been included in Punjab for the statistical purpose. The Northern Areas, Federally Administered Tribal Areas and Azad Jammu and Kashmir were, however, out of the scope of this census.

### Coverage

The list of mining establishments of all minerals (Mining Directories/Census Frame) except crude oil and natural gas that existed during the year 2004-2005 was obtained from the provincial Directorates of Mines & Mineral Developments located at Lahore, Karachi, Peshawar and Quetta respectively. The list of establishments of crude oil and natural gas that existed during the year 2004-2005 was obtained from the Directorate General of Petroleum Concessions, Ministry of Petroleum and Natural Resources, Islamabad.

The CMQI data was collected through FBS field staff and the Census questionnaires were supplied to all the concerned Regional/Field Offices so that FBS field staff could manage to collect the requisite data from the mining establishments and pass on the same to FBS, Islamabad. According to the original mining directories, there were 2,476 mining establishments in Pakistan. Out of this, 275 mining establishments were found either closed/cancelled during the year under report. Census returns were collected for 1,478 establishments. The overall coverage was 67 % which has a share of about 96 % in the total production value of mining sector. However, according to relevant data from the Provincial Directorates of Mineral Development the remaining 33 % establishments not covered under the Census have only about 4 % share in the total production value. Consequently it does not have significant effect on overall results of CMQI. Therefore, it is sufficient for deriving Input Output ratio.

## Coverage of Census of Mining and Quarrying Industries

| Regions | Total Establishments | Closed | Revised Frame | Responded | Non-response | Coverage (%) |
|---|---|---|---|---|---|---|
| Pakistan | 2,476 | 275 | 2,201 | 1,478 | 723 | 67 |
| Punjab | 752 | 94 | 658 | 429 | 229 | 65 |
| Sindh | 319 | 26 | 293 | 232 | 61 | 79 |
| NWFP | 825 | 63 | 762 | 519 | 243 | 68 |
| Balochistan | 580 | 92 | 488 | 298 | 190 | 61 |

Data Gaps

Attempts were made to gather mining statistics pertaining to Gross Fixed Capital Formation but most of the respondents did not provide this information. However, mining establishments provided annual production data but majority of the respondents did not furnish quarterly data on production, production value, intermediate cost, employment cost, etc. Furthermore, the annual minerals production series from 1999-00 to 2004-05 have been added in this report (Table 7-11).

# Chapter-II

## Concepts and Definitions

1. Prospecting License (PL)

A prospecting license is a license for a mineral over the area specified there-in provided the applicant is considered fit, which is granted under Mining Concession Rules, 1986, initially for a period of two years but not exceeding five years.

2. Mining Lease (ML)

The licensing authority may grant mining lease in accordance with the Mining Concession Rules, 1986, for a mineral over the land specified therein provided the applicant is considered fit. The initial term of lease shall not exceed 30 years.

3. Employees

Employees mean all persons whether part-time or full-time, who work primarily at the mine site and oil or gas fields. Contract labour and unpaid family workers are excluded.

4. Average Daily Employment

It means the employment worked out by averaging the number of employees on the pay roll of last day of each month of the financial year and dividing it by the number of months the establishments carried out operation.

5. Employment Cost

It means wages and salaries paid plus cash and non-cash benefits provided to employees as remuneration for their work. It also includes payments made to contract labour.

6. Intermediate Cost

It includes the cost of fuel, electricity & materials consumed. Payments for repairs & maintenance and payments made to others for work done on establishment's material are also included.

7. Miscellaneous Cost

It includes cost of printing & stationary, postage, telegraph & telephone charges, water charges, payments of business insurance premier, and freight/transportation charges etc.

8. Gross Value of Production

It means value of minerals sold at market price plus value of stock in hand at the end of the year minus value of stock of minerals at the beginning of the year plus receipts for work done for others during the year 2004-05.

9. Census Value Added

It means the difference between gross value of minerals production and intermediate cost of the mining establishments covered in the CMQI.

10. Value Added / Contribution to GDP

It is computed as under:-

Value added = Census Value Added - Misc. Cost

# Chapter-III

## Findings

### Production Series

The production series cover the Mineral Production for the years 1999-00 to 2004-05. Table-2 (page-2) shows that in terms of value of production the contribution of Gas sector was about 66 % Crude Oil 27 %, Coal 2 %, Lime Stone 0.6 %, Rock Salt 0.3 % and rest of minerals 4 %. The Oil and Gas sub-sector together contributed about 93 % of the gross value of production in the year 2004-05.

### Employment and Employment Cost

The Average daily employment was 86,729 persons during the year 2004-05. The total employment cost including both regular and contract labor was rupees 8,699 million during the year under reference. A comparative picture of the number of persons employed in the mining sector and their respective employment cost incurred during the year 2004-05 is given below.

| Type of Minerals | Average Daily Employment (No) | Employment Cost (Million Rs.) |
|---|---|---|
| All Minerals | 86,729 | 8,699 |
| Coal | 24,159 | 1,577 |
| Crude Oil | 10,951 | 1,560 |
| Lime Stone | 9,316 | 590 |
| Natural Gas | 18,195 | 3,901 |
| Rock Salt | 4,227 | 203 |
| Others | 19,881 | 868 |

Source 1: Table-2, P.2 of CMQI, 2004-05

### Intermediate Cost, Miscellaneous Cost and Indirect Taxes

The intermediate and miscellaneous costs were recorded as rupees 5,098 million and 2,658 million respectively during the year 2004-05 (Table-17).

Indirect taxes amounting to rupees 22,693 million were paid to the government by the mining establishments covered in this census i. e 2004-05 (Table-17).

A comparative picture of intermediate and miscellaneous cost incurred in the extraction of various minerals and indirect taxes paid during the year 2004-05 is given below:

(Million Rs)

| Type of Minerals | Intermediate Cost | Miscellaneous Cost | Indirect Taxes |
|---|---|---|---|
| All Minerals | 5,098 | 2,658 | 22,693 |
| Coal | 518 | 140 | 86 |
| Crude Oil | 1,530 | 938 | 5,216 |
| Lime Stone | 267 | 54 | 84 |
| Natural Gas | 2,306 | 1,287 | 17,001 |
| Rock Salt | 55 | 21 | 28 |
| Others | 422 | 218 | 278 |

Source: Table-17, P.15

## Gross Value of Production, Census Value Added and Contribution to GDP

Gross value of production and census value added of all minerals covered in 2004-05 amounted to Rs. 170,472 million and 165,374 million respectively while contribution to GDP stood at Rs. 162,715 million in the year under report. A table showing the comparative picture of gross value of production, value added and contribution to GDP by various minerals during the year 2004-05 is given below:

(Million Rs)

| Type of Minerals | Gross Value of Production | Census Value Added | Contribution to GDP |
|---|---|---|---|
| All Minerals | 170,472 | 165,374 | 162,715 |
| Coal | 4,171 | 3,653 | 3,514 |
| Crude Oil | 47,244 | 45,714 | 44,775 |
| Lime Stone | 1,213 | 946 | 892 |
| Natural Gas | 111,261 | 108,955 | 107,668 |
| Rock Salt | 509 | 454 | 434 |
| Others | 6,074 | 5,652 | 5,432 |

Source: Table-2, P.2

# *Statistical Tables*

## Table-1: Mining Statistics at a Glance.

(Value in '000' Rs)

| Minerals | Gross Value of Production | Intermediate Cost | Census Value Added | Miscellaneous Cost | Indirect Taxes |
|---|---|---|---|---|---|
| **PAKISTAN** | | | | | |
| All Minerals | 170,471,728 | 5,097,776 | 165,373,952 | 2,657,857 | 22,692,926 |
| Coal | 4,171,155 | 517,748 | 3,653,407 | 139,671 | 85,536 |
| Crude Oil | 47,244,170 | 1,530,424 | 45,713,746 | 937,850 | 5,216,326 |
| Lime Stone | 1,212,668 | 266,747 | 945,921 | 54,255 | 84,382 |
| Natural Gas | 111,260,979 | 2,305,990 | 108,954,989 | 1,286,769 | 17,001,229 |
| Rock Salt | 509,295 | 54,980 | 454,315 | 20,595 | 28,336 |
| Others | 6,073,461 | 421,887 | 5,651,574 | 218,717 | 277,117 |
| PUNJAB | | | | | |
| All Minerals | 29,145,524 | 1,040,037 | 28,105,487 | 1,045,988 | 2,940,125 |
| Coal | 746,952 | 102,768 | 644,184 | 45,356 | 18,326 |
| Crude Oil | 20,145,615 | 465,195 | 19,680,420 | 515,298 | 1,418,914 |
| Lime Stone | 447,395 | 210,378 | 237,017 | 14,557 | 54,678 |
| Natural Gas | 6,686,265 | 182,630 | 6,503,635 | 436,782 | 1,388,059 |
| Rock Salt | 483,160 | 50,318 | 432,842 | 18,265 | 27,156 |
| Others | 636,137 | 28,748 | 607,389 | 15,730 | 32,992 |
| SINDH | | | | | |
| All Minerals | 93,996,016 | 2,143,508 | 91,852,508 | 1,070,027 | 11,356,201 |
| Coal | 560,948 | 76,310 | 484,638 | 32,967 | 23,987 |
| Crude Oil | 24,577,614 | 856,968 | 23,720,646 | 258,003 | 3,119,278 |
| Lime Stone | 218,259 | 9,675 | 208,584 | 7,975 | 12,947 |
| Natural Gas | 68,155,917 | 1,158,826 | 66,997,091 | 697,389 | 8,195,880 |
| Others | 483,278 | 41,729 | 441,549 | 73,693 | 4,109 |
| NWFP | | | | | |
| All Minerals | 5,511,482 | 474,514 | 5,036,968 | 293,474 | 1,303,916 |
| Coal | 401,891 | 59,130 | 342,761 | 4,876 | 2,076 |
| Crude Oil | 2,520,941 | 208,261 | 2,312,680 | 164,549 | 678,134 |
| Lime Stone | 414,546 | 42,118 | 372,428 | 24,038 | 14,790 |
| Natural Gas | 853,549 | 70,564 | 782,985 | 55,761 | 571,467 |
| Rock Salt | 26,135 | 4,662 | 21,473 | 2,330 | 1,180 |
| Others | 1,294,420 | 89,779 | 1,204,641 | 41,920 | 36,269 |
| BALOCHISTAN | | | | | |
| All Minerals | 41,818,706 | 1,439,717 | 40,378,989 | 248,368 | 7,092,684 |
| Coal | 2,461,364 | 279,540 | 2,181,824 | 56,472 | 41,147 |
| Lime Stone | 132,468 | 4,576 | 127,892 | 7,685 | 1,967 |
| Natural Gas | 35,565,248 | 893,970 | 34,671,278 | 96,837 | 6,845,823 |
| Others | 3,659,626 | 261,631 | 3,397,995 | 87,374 | 203,747 |

## Table-2: Summary Statistics by Type of Minerals - Pakistan

(Value in '000' Rs)

| Type of Minerals | Average Daily Employment (Nos) | Employment Cost | Gross Value of Production | Intermediate Cost | Census Value Added | Contribution to GDP |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| All Minerals | 86,729 | 8,699,281 | 170,471,728 | 5,097,776 | 165,373,952 | 162,715,095 |
| Barytes | 504 | 23,520 | 191,758 | 17,983 | 173,775 | 147,040 |
| Bauxite | 26 | 1,415 | 306 | 12 | 294 | 149 |
| Bentonite | 302 | 4,380 | 9,334 | 806 | 8,528 | 6,749 |
| Chalk | 148 | 12,530 | 91,526 | 3,952 | 87,574 | 84,476 |
| China Clay | 151 | 4,501 | 18,591 | 5,112 | 13,479 | 13,254 |
| Chromite | 582 | 25,329 | 70,690 | 1,205 | 69,485 | 64,423 |
| Coal | 24,159 | 1,577,496 | 4,171,155 | 517,748 | 3,653,407 | 3,513,736 |
| Crude Oil | 10,951 | 1,560,422 | 47,244,170 | 1,530,424 | 45,713,746 | 44,775,896 |
| Copper Ore | 1,195 | 148,583 | 2,934,312 | 232,984 | 2,701,328 | 2,647,705 |
| Dolomite | 997 | 35,514 | 154,763 | 27,626 | 127,137 | 123,359 |
| Feld Spar | 157 | 15,415 | 31,345 | 2,612 | 28,733 | 24,406 |
| Fire Clay | 189 | 16,284 | 25,565 | 243 | 25,322 | 24,536 |
| Fuller Earth | 507 | 1,935 | 6,118 | 206 | 5,912 | 5,872 |
| Granite | 84 | 5,104 | 38,788 | 1,427 | 37,361 | 36,619 |
| Gypsum | 1,425 | 64,577 | 351,758 | 11,190 | 340,568 | 334,322 |
| Lake Salt/ Sea Salt | 174 | 7,340 | 7,628 | 360 | 7,268 | 6,733 |
| Laterite | 970 | 12,709 | 25,170 | 2,077 | 23,093 | 20,954 |
| Lime Stone | 9,316 | 590,269 | 1,212,668 | 266,747 | 945,921 | 891,666 |
| Magnesite | 28 | 2,072 | 6,041 | 1,498 | 4,543 | 4,396 |
| Marble | 7,827 | 315,552 | 1,371,811 | 48,042 | 1,323,769 | 1,245,988 |
| Natural Gas | 18,195 | 3,900,506 | 111,260,979 | 2,305,990 | 108,954,989 | 107,668,220 |
| Ocher | 64 | 2,628 | 473 | 81 | 392 | 365 |
| Phosphate | 278 | 13,684 | 13,374 | 1,446 | 11,928 | 8,118 |
| Quartz | 47 | 1,432 | 8,490 | 538 | 7,952 | 7,716 |
| Rock Salt | 4,227 | 203,457 | 509,295 | 54,980 | 454,315 | 433,720 |
| Shale Clay | 1,440 | 10,841 | 15,418 | 3,694 | 11,724 | 9,432 |
| Silica Sand | 2,700 | 91,156 | 367,664 | 31,327 | 336,337 | 321,279 |
| Slate Stone | 210 | 10,112 | 104,132 | 7,652 | 96,480 | 95,042 |
| Soap Stone | 515 | 21,735 | 50,716 | 11,826 | 38,890 | 31,026 |
| Sulphur | 316 | 14,835 | 126,786 | 5,974 | 120,812 | 120,294 |
| Surpentine | 45 | 3,948 | 50,904 | 2,014 | 48,890 | 48,604 |

## Table-3: Summary Statistics by Type of Minerals- Punjab

(Value in '000' Rs)

| Type of Minerals | Average Daily Employment (Nos) | Employment Cost | Gross Value of Production | Intermediate Cost | Census Value Added | Contribution to GDP |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| All Minerals | 22,456 | 1,725,551 | 29,145,524 | 1,040,037 | 28,105,487 | 27,058,499 |
| Bauxite | 26 | 1,415 | 306 | 12 | 294 | 149 |
| Bentonite | 274 | 2,460 | 5,348 | 276 | 5,072 | 3,613 |
| Coal | 5,680 | 442,650 | 746,952 | 102,768 | 644,184 | 598,828 |
| Crude Oil | 3,792 | 570,456 | 20,145,615 | 465,195 | 19,680,420 | 19,164,122 |
| Dolomite | 245 | 5,870 | 16,978 | 490 | 16,488 | 16,028 |
| Fire Clay | 189 | 16,284 | 25,565 | 243 | 25,322 | 24,536 |
| Gypsum | 973 | 46,730 | 312,812 | 3,992 | 308,820 | 306,052 |
| Lime Stone | 4,176 | 359,784 | 447,395 | 210,378 | 237,017 | 222,460 |
| Natural Gas | 1,798 | 36,931 | 6,686,265 | 182,630 | 6,503,635 | 6,066,853 |
| Ocher | 64 | 2,628 | 473 | 81 | 392 | 365 |
| Rock Salt | 3,851 | 187,562 | 483,160 | 50,318 | 432,842 | 414,577 |
| Silica Sand | 1,072 | 37,946 | 147,869 | 17,680 | 130,189 | 120,622 |
| Sulphur | 316 | 1,4835 | 126,786 | 5,974 | 120,812 | 120,294 |

## Table-4: Summary Statistics by Type of Minerals-Sindh

(Value in '000' Rs)

| Type of Minerals | Average Daily Employment (Nos) | Employment Cost | Gross Value of Production | Intermediate Cost | Census Value Added | Contribution to GDP |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| All Minerals | 29,863 | 4,259,210 | 93,996,016 | 2,143,508 | 91,852,508 | 90,782,481 |
| Chalk | 148 | 12,530 | 91,526 | 3,952 | 87,574 | 84,476 |
| China clay | 127 | 3,226 | 8,806 | 592 | 8,214 | 8,058 |
| Coal | 7,469 | 298,146 | 560,948 | 76,310 | 484,638 | 451,671 |
| Crude Oil | 6,945 | 978,628 | 24,577,614 | 856,968 | 23,720,646 | 23,462,643 |
| Dolomite | 607 | 24,468 | 94,982 | 18,450 | 76,532 | 73,865 |
| Fuller Earth | 507 | 1,935 | 6,118 | 206 | 5,912 | 5,872 |
| Lake Salt | 174 | 7,340 | 7,628 | 360 | 7,268 | 6,733 |
| Laterite | 784 | 1,993 | 5,896 | 710 | 5,186 | 4,476 |
| Lime Stone | 954 | 13,986 | 218,259 | 9,675 | 208,584 | 200,609 |
| Marble | 389 | 58,732 | 85,960 | 3,414 | 82,546 | 21,033 |
| Natural Gas | 10,045 | 2,807,435 | 68,155,917 | 1,158,826 | 66,997,091 | 66,299,702 |
| Shale Clay | 360 | 6,265 | 9,582 | 2,667 | 6,915 | 5,820 |
| Silica Sand | 1,354 | 44,526 | 172,780 | 11,378 | 161,402 | 157,523 |

## Table-5: Summary Statistics by Type of Minerals-NWFP

(Value in '000' Rs)

| Type of Minerals | Average Daily Employment (Nos) | Employment Cost | Gross Value of Production | Intermediate Cost | Census Value Added | Contribution to GDP |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| All Minerals | 13,278 | 519,523 | 5,511,482 | 474,514 | 5,036,968 | 4,743,494 |
| Barytes | 46 | 1,964 | 6,842 | 1,285 | 5,557 | 5,537 |
| Bentonite | 28 | 1,920 | 3,986 | 530 | 3,456 | 3,136 |
| China Clay | 24 | 1,275 | 9,785 | 4,520 | 5,265 | 5,196 |
| Chromite | 70 | 1,872 | 7,930 | 420 | 7,510 | 7,476 |
| Coal | 1,826 | 48,384 | 401,891 | 59,130 | 342,761 | 337,885 |
| Crude Oil | 214 | 11,338 | 2,520,941 | 208,261 | 2,312,680 | 2,148,131 |
| Dolomite | 145 | 5,176 | 42,803 | 8,686 | 34,117 | 33,466 |
| Feld Spar | 157 | 15,415 | 31,345 | 2,612 | 28,733 | 24,406 |
| Granite | 38 | 2,625 | 26,103 | 1,140 | 24,963 | 24,425 |
| Gypsum | 452 | 17,847 | 38,946 | 7,198 | 31,748 | 28,270 |
| Laterite | 186 | 10,716 | 19,274 | 1,367 | 17,907 | 16,478 |
| Lime Stone | 2,930 | 118,643 | 414,546 | 42,118 | 372,428 | 348,390 |
| Magnesite | 28 | 2,072 | 6,041 | 1,498 | 4,543 | 4,396 |
| Marble | 5,241 | 194,510 | 864,384 | 35,145 | 829,239 | 814,565 |
| Natural Gas | 103 | 9,168 | 853,549 | 70,564 | 782,985 | 727,224 |
| Phosphate | 278 | 13,684 | 13,374 | 1,446 | 11,928 | 8,118 |
| Quartz | 47 | 1,432 | 8,490 | 538 | 7,952 | 7,716 |
| Rock Salt | 376 | 15,895 | 26,135 | 4,662 | 21,473 | 19,143 |
| Shal Clay | 80 | 4,576 | 5,836 | 1,027 | 4,809 | 3,612 |
| Silica Sand | 274 | 8,684 | 47,015 | 2,269 | 44,746 | 43,134 |
| Slat-Stone | 210 | 10,112 | 104,132 | 7,652 | 96,480 | 95,042 |
| Soap Stone | 515 | 21,735 | 50,716 | 11,826 | 38,890 | 31,026 |
| Surpentine | 10 | 480 | 7,418 | 620 | 6,798 | 6,722 |

## Table-6: Summary Statistics by Type of Minerals-Balochistan

(Value in '000' Rs)

| Type of Minerals | Average Daily Employment (Nos) | Employment Cost | Gross Value Of Production | Intermediate Cost | Census Value Added | Contribution to GDP |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| All Minerals | 21,132 | 2,194,997 | 41,818,706 | 1,439,717 | 40,378,989 | 40,130,621 |
| Barytes | 458 | 21,556 | 184,916 | 16,698 | 168,218 | 141,503 |
| Chromite | 512 | 23,457 | 62,760 | 785 | 61,975 | 56,947 |
| Coal | 9,184 | 788,316 | 2,461,364 | 279,540 | 2,181,824 | 2,125,352 |
| Copper ore | 1,195 | 148,583 | 2,934,312 | 232,984 | 2,701,328 | 2,647,705 |
| Granite | 46 | 2,479 | 12,685 | 287 | 12,398 | 12,194 |
| Lime stone | 1,256 | 97,856 | 132,468 | 4,576 | 127,892 | 120,207 |
| Marble | 2,197 | 62,310 | 421,467 | 9,483 | 411,984 | 410,390 |
| Natural gas | 6,249 | 1,046,972 | 35,565,248 | 893,970 | 34,671,278 | 34,574,441 |
| Surpentine | 35 | 3,468 | 43,486 | 1,394 | 42,092 | 41,882 |

## Table-7: Minerals Production at National Level-Pakistan

| Type of Minerals | Unit | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Barytes | Metric Tons | 25,951 | 28,289 | 21,451 | 40,745 | 44,207 | 42,087 |
| Bauxite | " | 9,683 | 3,728 | 12,233 | 4,098 | 4,847 | 6,504 |
| Bentonite | " | 14,059 | 13,935 | 11,476 | 11,290 | 6,316 | 15,671 |
| Chalk | " | 8,094 | 9,722 | 7,881 | 7,733 | 7,735 | 8,146 |
| China Clay | " | 63,456 | 46,574 | 53,542 | 39,575 | 25,204 | 37,732 |
| Chromite | " | 33,317 | 21,683 | 24,185 | 30,657 | 28,529 | 46,359 |
| Coal | " | 3,255,440 | 3,285,748 | 3,511,842 | 3,609,338 | 3,300,066 | 3,367,021 |
| CopperOre | " | - | - | - | 10,000 | 3,750,608 | 3,991,923 |
| Crude Oil | (000) BBLS | 20,395 | 21,084 | 23,195 | 23,458 | 22,625 | 24,119 |
| Dolomite | Metric Tons | 347,583 | 352,687 | 312,886 | 340,864 | 297,419 | 199,653 |
| Feld Spar | " | - | 42,780 | 35,071 | 37,344 | 30,373 | 25,032 |
| Fire Clay | " | 139,076 | 158,441 | 174,429 | 120,243 | 192,728 | 253,501 |
| Fuller Earth | " | 19,378 | 12,961 | 15,521 | 14,723 | 13,986 | 17,001 |
| Granite | " | 4,709 | 9,072 | 8,548 | 6,425 | 9,982 | 6,153 |
| Gypsum | " | 365,463 | 399,097 | 401,740 | 424,107 | 467,065 | 552,496 |
| Lake Salt/ Sea Salt | " | 12,677 | 14,700 | 14,375 | 16,652 | 11,555 | 14,375 |
| Laterite | " | 40,886 | 44,339 | 44,852 | 63,438 | 83,197 | 71,784 |
| Lime Stone | " | 9,590,756 | 10,871,767 | 10,819,571 | 11,880,275 | 13,150,127 | 14,857,479 |
| Magnesite | " | 3,983 | 4,695 | 4,637 | 3,435 | 6,074 | 3,029 |
| Marble | " | 624,938 | 634,283 | 685,258 | 1,066,276 | 980,671 | 1,280,304 |
| Natural Gas | MMCFT | 818,342 | 875,433 | 923,758 | 992,589 | 1,202752 | 1,344,953 |
| Ocher | Metric Tons | 4,793 | 4,691 | 5,064 | 6,733 | 7,861 | 18,686 |
| Phosphate | " | 5,208 | 2,385 | 1,362 | 2,562 | 4,614 | 2,687 |
| Quartz | " | - | 10,532 | 7,076 | 8,550 | 13,340 | 26,871 |
| Red Oxide | " | - | 16,910 | 26,345 | 23,225 | 11,146 | 11,544 |
| Rock Salt | " | 1,357,815 | 1,393,688 | 1,423,478 | 1,426,067 | 1,639,516 | 1,648,223 |
| Shale Clay | " | 1,698,726 | 2,038,443 | 1,764,471 | 1,759,682 | 1,934,366 | 1,550,444 |
| Silica Sand | " | 166,744 | 165,166 | 161,737 | 185,415 | 259,009 | 308,901 |
| Slate Stone | " | 221,819 | 133,127 | 161,142 | 250,356 | 252,771 | 298,776 |
| Soap Stone | " | 47,869 | 46,989 | 53,573 | 73,057 | 52,483 | 20,564 |
| Sulpher | " | 22,812 | 17,428 | 22,580 | 19,402 | 23,873 | 24,158 |
| Surpentine | " | 5,533 | 8,445 | 11,043 | 12,378 | 11,575 | 10,434 |

Source: Tables 8 to 11

## Table-8: Minerals Production by Province-Punjab

| Type of Minerals | Unit | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 |
|---|---|---|---|---|---|---|---|
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| Bauxite | Metric Tons | 9,683 | 3,728 | 12,233 | 4,098 | 4,847 | 6,504 |
| Bentonite | " | 112,209 | 13,221 | 7,389 | 6,344 | 5,436 | 10,858 |
| Coal | " | 454,519 | 407,346 | 515,262 | 502,326 | 535,066 | 544,326 |
| Crude Oil | (000) BBLS | 7,660 | 7,383 | 7,848 | 8,112 | 8,405 | 8,481 |
| Dolomite | M. Tons | 43,754 | 33,843 | 48,858 | 43,423 | 55,219 | 38,995 |
| Fire Clay | " | 138,931 | 157,271 | 165,493 | 120,243 | 182,327 | 216,986 |
| Gypsum | " | 241,502 | 224,970 | 205,127 | 259,859 | 326,169 | 376,366 |
| Lime Stone | " | 5,200,404 | 5,108,467 | 5,123,456 | 5,338,606 | 6,081,068 | 8,196,611 |
| Natural Gas | MMCFT | 54,465 | 65,633 | 70,227 | 67,891 | 67,498 | 63,832 |
| Ocher | M. Tons | 4,793 | 4,691 | 5,064 | 6,733 | 7,861 | 18,686 |
| Rock Salt | " | 1,236,724 | 1,261,141 | 1,305,015 | 1,330,164 | 1,534,408 | 1,595,301 |
| Silica Sand | " | 90,637 | 75,910 | 83,228 | 87,358 | 144,864 | 170,287 |
| Laterite | " | - | - | 19,684 | 37,603 | 53,416 | 24,617 |
| Sulphur | " | 22,772 | 17,428 | 22,580 | 19,402 | 23,873 | 24,158 |

Source: Directorate of Mining Department, Punjab

## Table-9: Minerals Production by Province-Sindh

| Type of Minerals | Unit | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 |
|---|---|---|---|---|---|---|---|
| 1 | 2 | | 3 | 4 | 5 | 6 | 7 |
| Bentonite | Metric Tons | 2,850 | 110 | 95 | 1,872 | - | - |
| Chalk | " | 8,094 | 9,722 | 7,881 | 7,733 | 7,735 | 8,146 |
| China Clay | " | 15,674 | 12,775 | 8,484 | 7,215 | 7,041 | 8,796 |
| Coal | " | 981,941 | 1,005,631 | 992,981 | 1,049,042 | 924,142 | 917,975 |
| Crude Oil | (000) BBLS | 12,735 | 13,701 | 15,346 | 15,345 | 14,220 | 14,557 |
| Dolomite | Metric Tons | 168,389 | 148,355 | 119,873 | 127,241 | 123,950 | 114,059 |
| Fuller Earch | " | 12,362 | 9,363 | 11,375 | 9,909 | 10,716 | 10,312 |
| Granite | " | 1,274 | 948 | 963 | 1,047 | 401 | 372 |
| Lake Salt/Sea Slat | " | 12,677 | 14,700 | 14,375 | 16,652 | 11,555 | 14,375 |
| Laterite | " | 15,071 | 17,865 | 10,692 | 3,845 | 2,020 | 8,997 |
| Lime Stone | " | 1,471,413 | 1,624,295 | 1,900,761 | 1,188,696 | 1,528,809 | 2,393,099 |
| Marble | " | 1,595 | 2,620 | 4,639 | 5,265 | 5,766 | 4,354 |
| Natural Gas | MMCFT | 393,376 | 422,432 | 479,370 | 566,452 | 786,546 | 936,163 |
| Shale Clay | " | 390,236 | 392,803 | 488,983 | 411,661 | 264,258 | 300,535 |
| Silica Sand | " | 51,776 | 67,690 | 59,085 | 74,611 | 83,990 | 81,750 |

Source: Directorate of Mining Department, Sindh

## Table-10: Minerals Production by Province-NWFP

| Type of Minerals | Unit | 1999-00 | 2000-01 | 2001-02 | 2002-03 | 2003-04 | 2004-05 |
|---|---|---|---|---|---|---|---|
| 1 | 2 | | 4 | 4 | 5 | 6 | 7 |
| Barytes | Metric Tons | 2,233 | 4,129 | 3,154 | 4,260 | 1,902 | 1,287 |
| Bentonite | " | - | - | 3,992 | 3,074 | 880 | 4,813 |
| China Clay | " | 47,782 | 33,790 | 45,018 | 32,360 | 18,033 | 25,606 |
| Chromite | " | 100 | 3,343 | 2,990 | 5,350 | 6,193 | 24,613 |
| Coal | " | 46,355 | 191,273 | 237,404 | 266,214 | 214,161 | 216,808 |
| Crude Oil | (000) BBL | - | - | - | - | - | 1,061 |
| Dolomite | M Tons | 133,927 | 169,558 | 143,725 | 169,823 | 117,885 | 46,361 |
| Feld Spar | " | - | 42,780 | 35,071 | 37,344 | 30,373 | 25,032 |
| Granite | " | - | 6,242 | 4,820 | 3,372 | 5,567 | 3,895 |
| Gypsum | " | 123,961 | 174,127 | 186,613 | 164,248 | 140,896 | 176,130 |
| Laterite | " | 25,815 | 26,474 | 14,476 | 21,990 | 27,761 | 38,170 |
| Lime Stone | " | 2,825,873 | 3,976,733 | 3,646,049 | 5,103,742 | 5,268,416 | 3,923,032 |
| Magnesite | " | 3,833 | 5,590 | 5,260 | 1,388 | 5,334 | 1,484 |
| Marble | " | 455,665 | 450,443 | 450,443 | 473,291 | 644,355 | 850,382 |
| Natural Gas | MMCFT | - | - | - | - | - | 8,465 |
| Phosphate | M Tons " | 5,208 | 2,385 | 1,362 | 2,562 | 4,614 | 2,687 |
| Quartz | " | - | 10,532 | 7,076 | 8,550 | 13,340 | 26,871 |
| Red-Oxide | " | - | 16,910 | 26,345 | 23,275 | 11,146 | 11,544 |
| Rock Salt | " | 121,091 | 132,547 | 118,463 | 95,903 | 150,108 | 52,922 |
| Shale Clay | " | 691,604 | 849,999 | 677,712 | 783,826 | 904,325 | 441,643 |
| Silica Sand | " | 24,331 | 21,566 | 19,424 | 23,446 | 30,155 | 56,864 |
| Slate-Stone | Metric Tons | 221,819 | 133,127 | 161,142 | 250,356 | 252,771 | 298,776 |
| Soap Stone | " | 47,869 | 46,989 | 53,573 | 73,057 | 52,483 | 20,564 |
| Surpentine | " | 795 | 4,818 | 6,513 | 7,183 | 9,210 | 8,111 |

Source: Director of Mining Department, NWFP

## Table-11: Minerals Production by Province-Balochistan

| Type of Minerals | Unit | 1999-00 | 2000-01 | 2001-2002 | 2002-03 | 2003-04 | 2004-05 |
|---|---|---|---|---|---|---|---|
| 1 | 2 | | 4 | 5 | | 6 | 7 |
| Barytes | Metric Tons | 23,718 | 24,160 | 18,297 | 36,485 | 42,305 | 40,800 |
| Chromite | " | 33217 | 18,340 | 21,195 | 25,307 | 22,336 | 21,746 |
| Coal | " | 1,772,625 | 1,687,498 | 1,766,195 | 1,791,756 | 1,626,697 | 1,687,912 |
| Copper Ore | " | - | - | - | 10,000 | 3,750,608 | 3,991,923 |
| Granite | " | 3,435 | 3,882 | 2,765 | 2,005 | 4,014 | 1,886 |
| Dolomite | " | 1,513 | 933 | 430 | 377 | 365 | 238 |
| Lime stone | " | 930,661 | 162,272 | 144,305 | 229,231 | 271,834 | 344,737 |
| Marble | " | 167,308 | 180,657 | 207,278 | 258,173 | 329,965 | 423,627 |
| Natural gas | MMCFT | 370,501 | 387,367 | 374,161 | 358,246 | 348,708 | 336,493 |
| Shale Clay | Metric Tons | 616,886 | 795,641 | 597,776 | 563,595 | 765,783 | 808,266 |
| Surpentine | " | 4,738 | 3,627 | 4,530 | 5,195 | 2,365 | 2,323 |

Source: Directorate of Mining Department, Balochistan

## Table-12: Employment and Employment Cost by type of Minerals - Pakistan

(Value in '000' Rs)

| Type of Minerals | Average Daily Employment during the year (Nos). | Employment Cost during the year | | |
|---|---|---|---|---|
| | | Total | Wages and Salaries | Other Cash / Non-Cash Payments |
| 1 | 2 | 3 | 4 | 5 |
| All Minerals | 86,729 | 8,699,281 | 7,901,166 | 798,115 |
| Barytes | 504 | 23,520 | 21,646 | 1,874 |
| Bauxite | 26 | 1,415 | 1,280 | 135 |
| Bentonite | 302 | 4,380 | 3,535 | 845 |
| Chalk | 148 | 12,530 | 12,365 | 165 |
| China Clay | 151 | 4,501 | 4,064 | 437 |
| Chromite | 582 | 25,329 | 22,976 | 2,353 |
| Coal | 24,159 | 1,577,496 | 1,424,394 | 153,102 |
| Copper Ore | 1,195 | 148,583 | 136,524 | 12,059 |
| Crude Oil | 10,951 | 1,560,422 | 1,393,662 | 166,760 |
| Dolomite | 997 | 35,514 | 25,094 | 10,420 |
| Feld Spar | 157 | 15,415 | 14,162 | 1,253 |
| Fire Clay | 189 | 16,284 | 11,881 | 4,403 |
| Fuller Earth | 507 | 1,935 | 1,685 | 250 |
| Granite | 84 | 5,104 | 4,303 | 801 |
| Gypsum | 1,425 | 64,577 | 53,294 | 11,283 |
| Lake Salt/ Sea Salt | 174 | 7,340 | 7,328 | 12 |
| Laterite | 970 | 12,709 | 11,480 | 1,229 |
| Lime Stone | 9,316 | 590,269 | 549,828 | 40,441 |
| Magnesite | 28 | 2,072 | 2,020 | 52 |
| Marble | 7,827 | 315,552 | 225,682 | 89,870 |
| Natural Gas | 18,195 | 3,900,506 | 3,648,801 | 251,705 |
| Ocher | 64 | 2,628 | 2,545 | 83 |
| Phosphate | 278 | 13,684 | 12,150 | 1,534 |
| Quartz | 47 | 1,432 | 1,305 | 127 |
| Rock Salt | 4,227 | 203,457 | 175,901 | 27,556 |
| Shale Clay | 440 | 10,841 | 8,980 | 1,861 |
| Silica Sand | 2,700 | 91,156 | 87,376 | 3,780 |
| Slate Stone | 210 | 10,112 | 6,348 | 3,764 |
| Soap Stone | 515 | 21,735 | 13,585 | 8,150 |
| Sulphur | 316 | 14,835 | 13,890 | 945 |
| Surpentine | 45 | 3,948 | 3,082 | 866 |

## Table-13: Employment and Employment Cost by type of Minerals- Punjab

(Value in '000' Rs)

| Type of Minerals | Average Daily Employment during the year (Nos) | Employment Cost during the year | | |
|---|---|---|---|---|
| | | Total | Wages | Other Cash / Non-Cash Payments |
| 1 | 2 | 3 | 4 | 5 |
| All Minerals | 22,456 | 1,725,551 | 1,526,124 | 199,427 |
| Bauxite | 26 | 1,415 | 1,280 | 135 |
| Bentonite | 274 | 2,460 | 1,793 | 667 |
| Coal | 5,680 | 442,650 | 407,864 | 34,786 |
| Crude Oil | 3,792 | 570,456 | 477,798 | 92,658 |
| Dolomite | 245 | 5,870 | 4,125 | 1,745 |
| Fire Clay | 189 | 16,284 | 11,881 | 4,403 |
| Gypsum | 973 | 46,730 | 36,976 | 9,754 |
| Lime Stone | 4,176 | 359,784 | 337,166 | 22,618 |
| Natural Gas | 1,798 | 36,931 | 32,776 | 4,155 |
| Ocher | 64 | 2,628 | 2,545 | 83 |
| Rock Salt | 3,851 | 187,562 | 160,822 | 26,740 |
| Silica Sand | 1,072 | 37,946 | 37,208 | 738 |
| Sulphur | 316 | 14,835 | 13,890 | 945 |

## Table-14: Employment and Employment Cost by type of Minerals-Sindh

(Value in '000' Rs)

| Type of Minerals | Average Daily Employment during the year (Nos) | Employment Cost during the year | | |
|---|---|---|---|---|
| | | Total | Wages and Salaries | Other Cash Non-Cash Payments |
| 1 | 2 | 3 | 4 | 5 |
| All Minerals | 29,863 | 4,259,210 | 4,034,492 | 224,718 |
| Chalk | 148 | 12,530 | 12,365 | 165 |
| China Clay | 127 | 3,226 | 2,914 | 312 |
| Coal | 7,469 | 298,146 | 293,458 | 4,688 |
| Crude Oil | 6,945 | 978,628 | 906,268 | 72,360 |
| Dolomite | 607 | 24,468 | 16,612 | 7,856 |
| Fuller Earth | 507 | 1,935 | 1,685 | 250 |
| Lake Salt/Sea Slat | 174 | 7,340 | 7,328 | 12 |
| Laterite | 784 | 1,993 | 1,748 | 245 |
| Lime Stone | 954 | 13,986 | 7,205 | 7,681 |
| Marble | 389 | 58,732 | 57,078 | 1,654 |
| Natural Gas | 10,045 | 2,807,435 | 2,679,975 | 127,460 |
| Shale Clay | 360 | 6,265 | 5,126 | 1,139 |
| Silica Sand | 1,354 | 44,526 | 42,730 | 1,796 |

## Table-15: Employment and Employment Cost by type of Minerals-NWFP

(Value in '000' Rs)

| Type of Minerals | Average Daily Employment (Nos) | Employment Cost during the year | | |
|---|---|---|---|---|
| | | Total | Wages and Salaries | Other Cash / Non-Cash Payment |
| 1 | 2 | 3 | 4 | 5 |
| All Minerals | 13,278 | 519,523 | 416,902 | 102,621 |
| Barytes | 46 | 1,964 | 1,812 | 152 |
| Bentonite | 28 | 1,920 | 1,742 | 178 |
| China Clay | 24 | 1,275 | 1,150 | 125 |
| Chromite | 70 | 1,872 | 1,132 | 740 |
| Coal | 1,826 | 48,384 | 47,220 | 1,164 |
| Crude Oil | 214 | 11,338 | 9,596 | 1,742 |
| Dolomite | 145 | 5,176 | 4,357 | 819 |
| Feld Spar | 157 | 15,415 | 14,162 | 1,253 |
| Granite | 38 | 2,625 | 1,915 | 710 |
| Gypsum | 452 | 17,847 | 16,318 | 1,529 |
| Laterite | 186 | 10,716 | 9,732 | 984 |
| Lime Stone | 2,930 | 118,643 | 117,075 | 1,568 |
| Magnesite | 28 | 2,072 | 2,020 | 52 |
| Marble | 5,241 | 194,510 | 119,754 | 74,756 |
| Natural Gas | 103 | 9,168 | 8,732 | 436 |
| Phosphate | 278 | 13,684 | 12,150 | 1,534 |
| Quartz | 47 | 1,432 | 1,305 | 127 |
| Rock Salt | 376 | 15,895 | 15,079 | 816 |
| Shal Clay | 80 | 4,576 | 3,854 | 722 |
| Silica Sand | 274 | 8,684 | 7,438 | 1,246 |
| Slat-Stone | 210 | 10,112 | 6,348 | 3,764 |
| Soap Stone | 515 | 21,735 | 13,585 | 8,150 |
| Surpentine | 10 | 480 | 426 | 54 |

## Table-16: Employment and Employment Cost by type of Minerals-Balochistan

(Value in '000' Rs)

| Type of Minerals | Average Daily Employment (Nos) | Employment Cost during the year | | |
|---|---|---|---|---|
| | | Total | Wages and Salaries | Other Cash / Non-Cash Payments |
| 1 | 2 | 3 | 4 | 5 |
| All Minerals | 21,132 | 2,194,997 | 1,923,648 | 271,349 |
| Barytes | 458 | 21,556 | 19,834 | 1,722 |
| Chromite | 512 | 23,457 | 21,844 | 1,613 |
| Coal | 9,184 | 788,316 | 675,852 | 112,464 |
| Copper Ore | 1,195 | 148,583 | 136,524 | 12,059 |
| Granite | 46 | 2,479 | 2,388 | 91 |
| Lime Stone | 1,256 | 97,856 | 88,382 | 9,474 |
| Marble | 2,197 | 62,310 | 48,850 | 13,460 |
| Natural gas | 6,249 | 1,046,972 | 927,318 | 119,654 |
| Surpentine | 35 | 3,468 | 2,656 | 812 |

## Table-17: Intermediate Cost, Misc. Cost and Indirect Taxes-Pakistan

(Value in '000' Rs)

| Type of Minerals | Intermediate Cost | Misc. cost | Indirect Taxes |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| All Minerals | 5,097,777 | 2,657,857 | 22,692,926 |
| Barytes | 17,983 | 26,735 | 6,088 |
| Bauxite | 12 | 145 | 54 |
| Bentonite | 806 | 1,779 | 877 |
| Chalk | 3,952 | 3,098 | 142 |
| China Clay | 5,112 | 225 | 953 |
| Chromite | 1,205 | 5,062 | 2,436 |
| Coal | 517,748 | 139,671 | 85,536 |
| Crude Oil | 1,530,425 | 937,850 | 5,216,326 |
| Copper Ore | 232,984 | 53,623 | 165,587 |
| Dolomite | 27,626 | 3,778 | 4,254 |
| Feld Spar | 2,612 | 4,327 | 1,524 |
| Fire Clay | 243 | 786 | 1,520 |
| Fuller Earth | 206 | 40 | 143 |
| Granite | 1,427 | 742 | 622 |
| Gypsum | 11,190 | 6,246 | 4,922 |
| Lake Salt/ Sea Salt | 360 | 535 | 108 |
| Laterite | 2,077 | 2,139 | 2,446 |
| Lime Stone | 266,747 | 54,255 | 84,382 |
| Magnesite | 1,498 | 147 | 81 |
| Marble | 48,042 | 77,781 | 48,463 |
| Natural Gas | 2,305,990 | 1,286,769 | 17,001,229 |
| Ocher | 81 | 27 | 327 |
| Phosphate | 1,446 | 3,810 | 1,046 |
| Quartz | 538 | 236 | 360 |
| Rock Salt | 54,980 | 20,595 | 28,336 |
| Shale Clay | 3,694 | 2,292 | 2,514 |
| Silica Sand | 31,327 | 15,058 | 3,281 |
| Slate Stone | 7,652 | 1,438 | 924 |
| Soap Stone | 11,826 | 7,864 | 758 |
| Sulphur | 5,974 | 518 | 27,560 |
| Surpentine | 2,014 | 286 | 127 |

## Table-18: Intermediate Cost, Misc. Cost and Indirect Taxes-Punjab

(Value in '000' Rs)

| Type of Minerals | Intermediate Cost | Misc. cost | Indirect Taxes |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| All Minerals | 1,040,038 | 1,045,988 | 2,940,125 |
| Bauxite | 12 | 145 | 54 |
| Bentonite | 276 | 1,459 | 234 |
| Coal | 102,768 | 45,356 | 18,326 |
| Crude Oil | 465,196 | 515,298 | 1,418,914 |
| Dolomite | 490 | 460 | 785 |
| Fire Clay | 243 | 786 | 1,520 |
| Gypsum | 3,992 | 2,768 | 1,794 |
| Lime Stone | 210,378 | 14,557 | 54,678 |
| Natural Gas | 182,630 | 436,782 | 1,388,059 |
| Ocher | 81 | 27 | 327 |
| Rock Salt | 50,318 | 18,265 | 27,156 |
| Silica Sand | 17,680 | 9,567 | 718 |
| Sulphur | 5,974 | 518 | 27,560 |

## Table-19: Intermediate Cost, Misc. Cost and Indirect Taxes-Sindh

(Value in '000' Rs)

| Type of Minerals | Intermediate Cost | Misc. Cost | Indirect Taxes |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| All Minerals | 2,143,508 | 1,070,027 | 11,356,201 |
| Chalk | 3,952 | 3,098 | 142 |
| China Clay | 592 | 156 | 278 |
| Coal | 76,310 | 32,967 | 23,987 |
| Crude Oil | 856,968 | 258,003 | 3,119,278 |
| Dolomite | 18,450 | 2,667 | 1,476 |
| Fuller Earth | 206 | 40 | 143 |
| Lake Salt/Sea Slat | 360 | 535 | 108 |
| Laterite | 710 | 710 | 464 |
| Lime Stone | 9,675 | 7,975 | 12,947 |
| Marble | 3,414 | 61,513 | 694 |
| Natural Gas | 1,158,826 | 697,389 | 8,195,880 |
| Shale Clay | 2,667 | 1,095 | 408 |
| Silica Sand | 11,378 | 3,879 | 396 |

## Table-20: Intermediate Cost, Misc. Cost and Indirect Taxes- NWFP

(Value in "000' Rs)

| Type of Minerals | Intermediate Cost | Misc. Cost | Indirect Taxes |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| All Minerals | 474,514 | 293,474 | 1,303,916 |
| Barytes | 1,285 | 20 | 196 |
| Bentonite | 530 | 320 | 643 |
| China Clay | 4,520 | 69 | 675 |
| Chromite | 420 | 34 | 50 |
| Coal | 59,130 | 4,876 | 2,076 |
| Crude Oil | 208,261 | 164,549 | 678,134 |
| Dolomite | 8,686 | 651 | 1,993 |
| Feld Spar | 2,612 | 4,327 | 1,524 |
| Granite | 1,140 | 538 | 387 |
| Gypsum | 7,198 | 3,478 | 3,128 |
| Laterite | 1,367 | 1,429 | 1,982 |
| Lime Stone | 42,118 | 24,038 | 14,790 |
| Magnesite | 1,498 | 147 | 81 |
| Marble | 35,145 | 14,674 | 18,209 |
| Natural Gas | 70,564 | 55,761 | 571,467 |
| Phosphate | 1,446 | 3,810 | 1,046 |
| Quartz | 538 | 236 | 360 |
| Rock Salt | 4,662 | 2,330 | 1,180 |
| Shal Clay | 1,027 | 1,197 | 2,106 |
| Silica Sand | 2,269 | 1,612 | 2,167 |
| Slat-Stone | 7,652 | 1,438 | 924 |
| Soap Stone | 11,826 | 7,864 | 758 |
| Surpentine | 620 | 76 | 40 |

## Table-21: Intermediate Cost, Misc. Cost and Indirect Taxes-Balochistan

(Value in '000' Rs)

| Type of Minerals | Intermediate Cost | Misc. Cost | Indirect Taxes |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| All Minerals | 1,439,717 | 248,368 | 7,092,684 |
| Barytes | 16,698 | 26,715 | 5,892 |
| Chromite | 785 | 5,028 | 2,386 |
| Coal | 279,540 | 56,472 | 41,147 |
| Copper Ore | 232,984 | 53,623 | 165,587 |
| Granite | 287 | 204 | 235 |
| Lime Stone | 4,576 | 7,685 | 1,967 |
| Marble | 9,483 | 1,594 | 29,560 |
| Natural gas | 893,970 | 96,837 | 6,845,823 |
| Surpentine | 1,394 | 210 | 87 |