# Census of Mining and Quarrying Industries (CMQI) 2005-06



Government of Pakistan
Statistics Division
Federal Bureau of Statistics
Islamabad

**Foreword** 

Mining and Quarrying is an important sector of national economy. Federal Bureau of Statistics

(FBS) has been conducting Census of Mining Industries since 1962-63. The last report published in the

series relates to the year 2004-05. Earlier the term "Census of Mining Industries" (CMI) was used. It has

been changed to "Census of Mining & Quarrying Industries" (CMQI) since 2004-05 in order to avoid

confusion with "Census of Manufacturing Industries" (CMI).

This report presents results of the "Census of Mining & Quarrying Industries" for the year 2005-

06. However production series from 1999-00 to 2005-06 have also been incorporated in the report for

the benefit of users. The census report provides data on employment size, employment cost,

intermediate cost, miscellaneous costs, indirect taxes, and value of production in the mining and

quarrying sector at national and provincial levels.

Federal Bureau of Statistics is grateful to the representatives of Directorate of Mines & Minerals

(Punjab, Sindh, NWFP, and Balochistan), Ministry of Petroleum & Natural Resources and, Mines

Owners Association, for facilitating the supply of requisite information from mining establishments.

I hope that this publication will be useful document for policy makers, researchers and other

users at large. Nevertheless, the suggestions for improvement of content and presentation for future

issues of this publication would be welcome.

TARIO SHAFIO KHAN **Secretary** 

Government of Pakistan

Ministry of Economic Affairs & Statistics

Statistics Division,

Islamabad.

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## INTRODUCTION, OBJECTIVES, SCOPE AND COVERAGE

- 1.1 Introduction: Census of Mining & Quarrying Industries (CMQI) has been conducted since 1962-63. So far 23 reports have been published. The present report is the 24<sup>th</sup> one in 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. CMQI 2005-06 has been carried out as part of initiative for rebasing of National Accounts from 1999-2000 to 2005-06. Mining in Pakistan has considerable potential but its contribution to Gross Domestic Product (GDP) was only 3% in 2005-06 at current prices. Mining operations require intensive scouring about potential sites, considerable capital, advanced skills and incurrence of high risks before any stage of profitability can be reached. The mineral projects which are at various stages of implementation are listed in Table 4.19.
- 1.2 Objective and Scope: The main objective of the CMQI is to cover mining and quarrying activities in terms of output, intermediate consumption, gross value added, employment size and employment cost and gross fixed capital formation. The CMQI 2005-06 covers 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 while federal capital Islamabad has been included in Punjab for the statistical purpose. The Northern Areas, Federally Administered Tribal Areas and Azad Jammu and Kashmir are, however, out of the scope of this census. Surface minerals are not covered. These will be accounted for in a separate study.
- 1.3 Frame: The list of mining establishments except crude oil and natural gas operating during 2005-06 was obtained from the Provincial Directorate of Mines and Minerals Departments located at Lahore, Karachi, Peshawar and Quetta. While the list of crude oil and natural gas exploration companies was obtained from Directorate General of Petroleum Concession, Ministry of Petroleum and Natural Resources, Islamabad.

- 1.4 Methodology: The Survey material (questionnaires / Manual of Instructions) was mail-distributed to FBS Regional/Field Offices to carry out enumeration through FBS field staff. Comprehensive training sessions were conducted to impart pertinent skills and insight to the enumerators deputed to fill in the questionnaire. Supervising / monitoring field visits were carried out to keep the quality / adequacy of data on track. Data was processed at FBS Headquarter.
- 1.5 Coverage: According to the original mining directories, there were 2511 mining establishments in Pakistan. Out of this, 283 mining establishments were found either closed/cancelled during the year under report. Census returns were collected from 1,516 establishments. The overall coverage is 68 % which accounts for about 96 % in the total production value of mining sector. According to the Provincial Directorates of Mines and Minerals, the remaining 32 % establishments not covered under the Census have about 4 % share in the total production value. In this report, GFCF are not given due to non-availability of data. The profile of coverage is presented below. The figures presented in this report are those of the 1516 respondents. They are not raised by estimates for non-response.

**Table - 1.5 Coverage of Census of Mining and Quarrying Industries** 

Regions	Total Establishments	Closed	Revised Frame	Responded	Non-response	Coverage (%)
Pakistan	2,511	283	2,228	1,516	712	68.0%
Punjab	755	72	683	445	238	65.2%
Sindh	401	58	343	279	64	81.3%
NWFP	820	65	755	496	259	65.7%
Balochistan	535	88	447	296	151	66.2%

### TERMS AND DEFINITIONS

- **2.1 Prospecting License (PL)** over the area specified therein is granted under Mining Concession Rules, 1986, initially for a period of two years but not exceeding five years.
- **2.2 Mining Lease (ML)** is granted by licensing authority in accordance with the Mining Concession Rules, 1986, for a mineral over the land specified therein the initial term of lease shall not exceed 30 years.
- **2.3 Employees** are comprised of all persons whether part-time or full-time, who work primarily at the mine site and in oil or gas fields. Unpaid family workers are excluded.
- **2.4 Average daily employment** is 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.
- **2.5 Employment cost** constitutes 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.
- **2.6** Intermediate cost includes 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.
- **2.7 Miscellaneous cost** encapsulates cost of printing & stationary, postage, telegraph & telephone charges, water charges, payments of business insurance premier, and freight/transportation charges etc.
- **2.8** Gross value of production includes value of minerals sold at producer prices plus net value of stock in hand at the end of the year plus receipts for work done for others during the reference year.
- **2.9** Gross Value Added is the gross value of minerals production deducted by intermediate & miscellaneous cost of the mining establishments covered in the CMQI at producer prices.
- **2.10** Gross Fixed Capital Formation measures the value of acquisitions less disposals of fixed assets plus certain additions to the value of non-produced assets. It is, therefore, equal to the total value of all produced (tangible and non-tangible) assets less the value of their disposals during the accounting year.

### **FINDINGS**

**3.1 Production of Main Minerals:** The Census of Mining & Quarrying Industries (CMQI) covers establishments engaged in the activities relating to extraction of minerals and fossil fuels whether solid, liquid or gas both in private and public sectors. The overall response rate in this Census is 68% which is similar to that of previous year. Data on production of major minerals during the last three years has been presented in the following table, while seven years production for all minerals is given in tables 4.12 to 4.16.

**Table - 3.1: Production of Main Minerals** 

Type of	2002.04	2003-04 2004-05		% Change		
Type of Minerals	2003-04	2004-05	2004-05 2005-06		2005-06 / 2004-05	
Coal (M.Tons)	3,325,408	3,367,021	3,880,604	1.25	15.2	
Crude Oil (000 barrels)	22,625	24,119	23,936	6.60	-0.76	
Gypsum (M.Tons)	467,065	552,496	601,027	18.29	8.78	
Lime Stone (M.Tons)	13,150,127	14,857,479	18,427,706	12.98	24.0	
Natural Gas (mcf)	1,202,752	1,344,953	1,400,026	11.82	4.09	
Marble (M.Tons)	993,558	1,280,304	1,835,668	28.86	43.37	

Source: Provincial Directorate of Mines & Minerals

3.2 Employment & Employment Cost: The average daily employment is 88,553 persons during the year 2005-06. Average daily employment cost is highest for fossil fuels in the order of coal, natural gas and crude oil. The **Total employment cost** including both regular and contract labor is estimated at Rs 9,853 million during the year. The number of persons employed and employment cost for the year 2005-06 are given in the table below.

Table – 3.2: Employment, & Employment Cost

(Value in '000' Rs)

Type of Minerals	Average daily employment (No)	Employment cost	
All Minerals	88,553	9,853,054	
Coal	23,777	1,923,325	
Crude Oil	10,994	1,923,695	
Lime Stone	10,425	700,707	
Marble	7,387	274,939	
Natural Gas	18,469	3,973,453	
Others	17,501	1,056,935	

3.3 Gross Value of Production (GVP) and Gross Value Added (GVA) at producer prices of all minerals covered in 2005-06 amounts to Rs. 219,816 and Rs. 187,921 millions (Figures 1&2) respectively. Gross Value of Production, or by the same token. Gross Value Added is the highest for fossil fuels in the order of Natural Gas and Crude Oil. The relevant information is given in the table 3.3 below.

Table – 3.3: Gross Value of Production and Gross Value Added

Type of Minerals	Gross value of production	Gross Value Added
All Minerals	219,815,854	187,920,703
Coal	8,052,565	5,804,145
Crude Oil	36,761,238	28,944,220
Lime Stone	11,035,742	9,600,024
Marble	1,132,531	1,038,398
Natural Gas	155,653,265	136,039,416
Others	7,180,513	6,494,500

Figure-1:- Share of each category mining to GVP

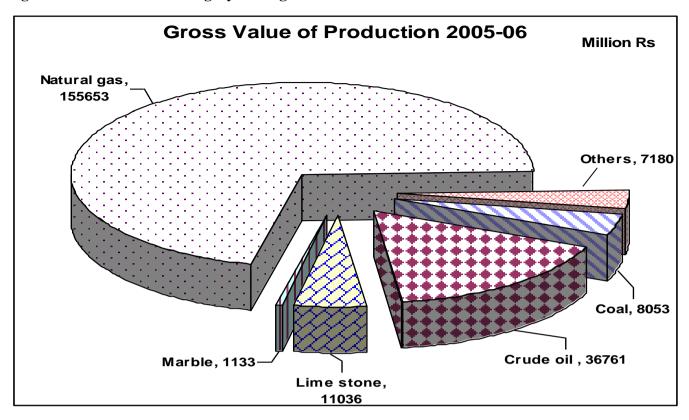
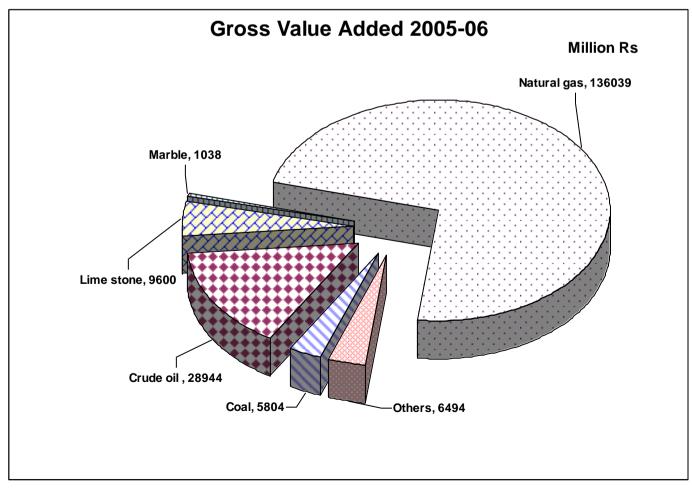


Figure-2:- Share of each category mining to GVA



3.4 Intermediate Cost, Miscellaneous Cost and Indirect Taxes: Intermediate and miscellaneous costs at purchaser prices are recorded as Rs 27,582 million and Rs 4,313 million respectively during the year 2005-06. Indirect taxes amount to Rs 26,850 million. Intermediate and miscellaneous cost incurred on the extraction of various minerals and indirect taxes paid during the year 2005-06 are tabulated below:

Table - 3.4: Intermediate Cost, Miscellaneous Cost and Indirect Taxes

Type of Minerals	Type of Minerals   Intermediate Cost   Misc		Total Cost	Indirect Taxes
		Cost		
(1)	(2)	(3)	(2)+(3)=(4)	(5)
All Minerals	27,582,463	4,312,988	31,895,151	26,849,551
Coal	1,983,711	264,709	2,248,420	106,859
Crude Oil	6,145,132	1,671,886	7,817,018	7,650,898
Lime Stone	1,305,602	130,116	1,435,718	124,720
Marble	61,133	33,000	94,133	59,561
Natural Gas	17,557,753	2,056,096	19,613,849	18,604,505
Others	528,832	157,181	68,6013	303,008

 Table: 3.5.1
 Input Output Ratio of Main Minerals

S. #	Minerals	Input-Output Ratios (%)
1	Coal	28
2	Crude Oil	21
3	Natural Gas	13
4	Other Minerals	11

 Table: 3.5.2
 Input Structure of Main Minerals

S.#	Head	Coal	Crude Oil	Natural Gas	Other minerals
1	Fuel	265,823	175,499	546,604	332,380
2	Electricity	190,098	30,481	129,565	509,649
3	Explosives	64,361	-	-	89,717
4	Timbers	809,431	-	-	-
5	Repair & Maintenance	139,456	843,318	2,816,022	199,428
6	Transportation	214,656	206,904	526,359	89,346
7	Communication	30,160	108,994	273,302	77,552
8	Printing & Stationery	21,790	3,695	18,220	66,476
9	Traveling & Entertainment	40,808	585,612	1,651,958	155,110
10	Insurance Charges	35,901	314,974	1,338,167	44,317
11	Store & Spare Consumed	14,059	2,856,937	2,164,146	54,703
12	Water Charges	76,374	-	-	87,553
13	Bank Charges	5,200	924	2,024	6,648
14	Legal/Audit fees	26,320	230,920	32,391	47,130
15	Gas Processing Charges	-	21,149	99,163	-
16	Un-allocated Expenses	-	40,992	174,754	-
17	Other expenses	313,983	2,396,619	9841,172	455,855
	Total	2,248,420	7,817,018	19,613,849	2,215,864

# 4. Statistical Tables

**Note:** Tables 4.1 to 4.11 have been prepared using the tabulation of CMQI, 2005-06 returns while the remaining tables are based on secondary sources.

**Table - 4.1: Major Minerals - Pakistan & Provinces** 

				( V	alue in 000 Rs)			
		PAKIST						
Type of Minerals	Gross Value of Production	Intermediate Cost	Miscellaneous Cost	Gross Value Added	Indirect Taxes			
All Minerals	219,815,854	27,582,163	4,312,988	187,920,703	26,849,551			
Coal	8,052,565	1,983,711	264,709	5,804,145	106,859			
Crude Oil	36,761,238	6,145,132	1,671,886	28,944,422	7,650,898			
Lime Stone	11,035,742	1,305,602	130,116	9,600,024	124,720			
Marble	1,132,531	61,133	33,000	1,038,398	59,561			
Natural Gas	155,653,265	17,557,753	2,056,096	136,039,416	18,604,505			
Others	7,180,513	528,832	157,181	6,494,500	303,008			
		PUNJA	AB					
All Minerals	38,771,174	3,473,604	1,374,678	33,922,892	4,324,414			
Coal	1,585,142	320,773	82,989	1,181,380	20,417			
Crude Oil	16,160,149	1,436,369	950,408	13,773,372	2,835,160			
Lime Stone	7,250,476	527,149	67,062	6,656,265	75,829			
Marble	3,066	253	141	2,672	1,265,868			
Natural Gas	10,754,526	988483	166,297	9,599,746	127,140			
Others	3,017,816	200,577	107,782	2,709,457				
		SINDI	Н					
All Minerals	126,223,544	15,124,311	2,067,938	109,031,295	13,815,104			
Coal	1,965,112	896,016	134,526	934,570	29,874			
Crude Oil	18,858,053	3,441,910	625,550	14,790,593	4,125,194			
Lime Stone	1,218,166	58,765	14,880	1,144,522	13,092			
Marble	342	38	40	265	87			
Natural Gas	103,957,703	10,716,071	1,286,647	91,954,984	9,641,918			
Others	224,168	11,511	6,296	206,361	4,939			
		NWF	P					
All Minerals	8,403,463	1,354,109	340,020	6,709,334	1,632,518			
Coal	580,192	119,295	35,438	425,459	6,537			
Crude Oil	1,703,564	260,781	95,810	1,346,973	679,218			
Lime Stone	2,346,288	711,035	46,839	1,588,414	31,462			
Marble	837,771	46,192	32,532	759,047	30,249			
Natural Gas	2,028,499	169,606	96,159	1,762,734	859,254			
Others	907,149	47,200	33,242	826,707	25,798			
	BALOCHISTAN							
All Minerals	46,417,673	7,630,139	530,352	38,257,182	7,077,515			
Coal	3,922,119	647,627	11,757	3,262,735	50,031			
Crude Oil	39,473	6,072	118	33,283	11,326			
Lime Stone	220,812	8,653	1,335	210,824	4,337			
Marble	291,353	14,650	287	276,415	29,225			
Natural Gas	38,912,537	6,683,592	506,993	31,721,952	6,837,465			
Others	3,031,379	269,545	9,862	2,751,973	145,131			

**Table-4.2: 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	Miscellaneous Cost	Gross Value Added
1	2	3	4	5	6	7
All Minerals	88,553	9,853,054	219,815,854	27,582,163	4,312,988	187,920,703
Antimony ore	42	1,512	2,002	100	40	1,862
Argi Clay	240	8,640	1,350,478	46,879	36,151	1,267,448
Ball Clay	8	240	565	50	7	508
Barite	514	29,690	177,928	9,315	697	167,917
Bauxite	10	276	3,594	607	53	2,934
Bentonite	222	7,488	94,490	7,934	1,426	85,130
Calcite	31	1,116	5,057	223	175	4,659
Chalk	125	13,145	2,647	138	95	2,414
China Clay	400	13,170	59,165	3,525	1,614	54,026
Chromite	654	41,459	250,182	6,383	3,245	240,555
Coal	23,777	1,923,325	8,052,565	1,983,711	264,709	5,804,145
Copper Ore	1,274	193,411	2,237,180	231,091	7,222	1,998,867
Crude Oil	10,994	1,923,695	36,761,238	6,145,132	1,671,886	28,944,220
Dolomite	1,133	44,320	58,211	6,155	4,152	47,904
Ebray Stone	3	72	109	5	4	100
Feldspar	122	3,214	2,491	354	186	1,951
Fire Clay	291	20,876	65,661	3,318	1,802	60,541
Flourite	31	1.150	6,889	262	136	6,491
Fuller's Earth	337	10,093	13,467	1,595	493	11,379
Granite	106	6,084	13,647	1,748	595	11,304
Gypsum	1,453	58,942	260,481	12,922	19,306	228,253
Iron Ore	64	4,342	62,263	4,436	3,145	54,682
Lake Salt	97	6,538	4,071	467	146	3,458
Laterite	375	28,537	276,751	13,605	4,023	259,122
Lime Stone	10,425	700,707	11,035,742	1,305,602	130,116	9,600,024
Magnesite	40	1,491	1,934	382	73	1,479
Marble	7,387	274,939	1,132,531	61,133	33,000	1,038,398
Natural Gas	18,469	3,973,453	155,653,265	17,557,753	2,056,096	136,039,416
Ocher	127	5,685	23,815	1,339	276	22,200
Phosphate	120	6,530	1,274	232	96	946
Quartz	56	2,781	9,055	1,054	525	7,476
Red Oxide	22	1,079	24,369	538	626	23,205
Rock Salt	4,192	229,486	792,924	92,401	44,034	656,490
Shale Clay	2,067	150,609	1,006,106	38,640	11,292	956,173
Silica Sand	2,199	109,638	159,270	24,961	9,091	125,218
Slate Stone	192	10,246	32,872	3,825	1,908	27,144
Soap Stone	542	22,498	23,256	1,353	1,349	20,554
Serpentine	61	4,524	146,886	11,933	2,976	131,977
Sulphur	325	16,756	9,639	7,83	161	8,696
Trona	26	1,297	1,778	279	61	1,437

Table-4.3: Summary Statistics by Type of Minerals- Punjab

Type of Minerals	Average daily employment (Nos)	Employment Cost	Gross Value of Production	Intermediate Cost	Miscellaneous Cost	Gross Value Added
1	2	3	4	5	6	7
All Minerals	23,729	2,208,720	38,771,174	3,473,604	1,374,678	33,922,892
Argi Clay	240	8,640	1,350,478	46,879	36,151	1267,448
Bauxite	10	276	3,594	607	53	2,934
Bentonite	190	5298	70,898	6,933	806	63,159
Calcite	31	1116	5,057	223	175	4,659
China Clay	230	7,640	9,540	450	268	8,822
Coal	5,798	458,638	1,585,142	320,773	82,989	1,181,380
Crude Oil	3,896	657,582	16,160,149	1,436,369	950,408	13,773,372
Dolomite	267	7,016	20,436	1,319	1,875	17,242
Ebray Stone	3	72	109	5	4	100
Fire Clay	261	18,586	64,047	3,210	1,773	59,064
Fullers Earth	28	805	2,832	371	148	2,313
Gypsum	982	39,785	204,166	2,216	11,438	190,511
Iron Ore	38	2,152	60,463	4,357	2,579	53,527
Laterite	150	16,145	160,994	9,005	272	151,716
Lime Stone	4,278	385,618	7,250,476	527,149	67,062	6,656,265
Marble	40	1,516	3,066	253	141	2,672
Natural Gas	1,825	316,524	10,754,526	988,483	166,297	9,599,746
Ocher	127	5,685	23,815	1,339	276	22,200
Rock Salt	3,796	210,734	763,173	89,914	42,105	631,154
Silica Sand	1,214	48,136	131,328	21,816	6,882	102,630
Sulphur	325	16,756	146,886	11,933	2,976	131,977

**Table-4.4: Summary Statistics by Type of Minerals-Sindh** 

Type of Minerals	Average daily	Employment	Gross Value of	Intermediate	Miscellaneous	Gross Value
	employment	Cost	Production	Cost	Cost	Added
	(Nos)					
1	2	3	4	5	6	7
All Minerals	28,303	4,297,851	126,223,544	15,124,311	2,067,938	109,031,295
Ball Clay	8	240	565	50	7	508
Chalk	125	13,145	2,647	138	95	2,414
China clay	132	3,654	10,616	676	315	9,625
Coal	7,358	503,678	1,965,112	896,016	134,526	934,570
Crude Oil	6,795	1,241,842	18,858,053	3,441,910	625,550	14,790,593
Dolomite	578	24,513	22,951	3,050	1,318	18,583
Fuller's Earth	289	8,219	7,428	905	284	6,239
Granite	15	440	425	19	9	397
Lake Salt	97	6,538	4,071	467	146	3,458
Laterite	50	1,517	3,579	555	137	2,888
Lime Stone	982	56,718	1,218,166	58,675	14,880	1,144,522
Marble	358	18,258	342	38	40	265
Natural Gas	10,284	2,351,846	103,957,703	10,716,071	1,286,647	91,954,984
Shale Clay	370	13,986	151,243	3,492	2,304	145,446
Silica Sand	837	51,960	18,867	1,881	1,620	15,366
Trona	26	1,297	1,778	279	61	1,437

**Table-4.5: Summary Statistics by Type of Minerals-NWFP** 

Type of Minerals	Average daily employment (Nos)	Employment Cost	Gross Value of Production	Intermediate Cost	Miscellaneous Cost	Gross Value Added
1	2	3	4	5	6	7
All Minerals	13,732	579,427	8,403,463	1,354,109	340,020	6,709,334
Barite	49	2,098	3,524	229	129	3,166
Bentonite	32	2,190	23,592	1,001	620	21,971
China Clay	38	1,876	39,009	2,399	1,031	35,579
Chromite	76	2,735	140,301	3,129	2,218	134,954
Coal	1,865	59,723	580,192	119,295	35,438	425,459
Crude Oil	268	20,126	1,703,564	260,781	95,810	1,346,973
Dolomite	284	12,735	14,743	1,781	957	12,005
Feldspar	122	3,214	2,491	354	186	1,951
Fire Clay	30	2,290	1,614	108	29	1,477
Flourite	18	673	3,652	102	86	3,464
Fuller Earth	20	1,069	3,207	320	61	2,826
Granite	43	2,986	9,568	1,318	574	7,676
Gypsum	471	19,157	56,315	10,706	7,868	37,741
Iron Ore	26	2,190	1,800	79	566	1,155
Laterite	175	10,875	112,178	4,045	3,614	104,518
Lime Stone	3,670	149,578	2,346,288	711,035	46,839	1,588,518
Magnesite	10	479	757	299	57	401
Marble	4,726	167,920	837,771	46,192	32,532	759,047
Natural Gas	212	37,485	2,028,499	169,606	96,159	1,762,734
Phosphate	120	6,530	1,274	232	96	946
Quartz	56	2,781	9,055	1,054	525	7,476
Rex Oxide	22	1,079	24,639	538	626	23,205
Rock Salt	396	18,752	29,752	2,487	1,929	25,336
Shale Clay	102	7,830	360,890	10,241	8,081	342,568
Silica Sand	148	9,542	9,075	1,265	589	7,222
Slat-Stone	192	10,246	32,878	3,825	1,908	27,144
Soap Stone	542	22,498	23,256	1,353	1,349	20,554
Serpentine	19	770	3,849	334	143	3,372

**Table-4.6: Summary Statistics by Type of Minerals-Balochistan** 

Type of Minerals	Average daily employment	Employment Cost	Gross Value of Production	Intermediate Cost	Miscellaneous Cost	Gross Value Added
	(Nos)					
1	2	3	4	5	6	7
All Minerals	22,788	2,767,056	46,417,673	7,630,139	530,352	38,257,182
Antimony Ore	42	1,512	2,002	100	40	1,862
Barite	465	27,592	174,404	9,086	568	164,751
Chromite	578	38,724	109,881	3,253	1,027	105,601
Coal	8,756	901,286	3,922,119	647,627	11,757	3262,735
Copper Ore	1,274	193,411	2,237,180	231,091	7,222	1,998,867
Crude Oil	35	4,145	39,473	6,072	118	33,282
Dolomite	4	56	80	5	2	73
Flourite	13	477	3,237	160	50	3,027
Granite	48	2,658	3,655	412	11	3,232
Lime Stone	1,495	108,793	220,812	8,653	1,335	210,824
Magnesite	30	1012	1,177	83	16	1,079
Marble	2,263	87,245	291,353	14,650	287	276,415
Natural Gas	6,148	1,267,598	38,912,537	6,683,592	506,993	31,721,952
Serpentine	42	3,754	5,790	449	18	5,323
Shale Clay	1,595	128,793	493,973	24,907	908	468,158

Table-4.7: Employment and Employment Cost by type of Minerals - Pakistan

Town of Minerals	(Value i						
Type of Minerals	Average daily employment	Employment Cost during the year					
	during the year (Nos).	Total	Wages and Salaries	Other Cash / Non-Cash Payments			
1	2	3	4	5			
All Minerals	88,553	9,853,054	8,797,669	1,055,385			
Antimony Ore	42	1,512	1,315	197			
Argi Clay	240	8,640	7,776	864			
Ball Clay	8	240	218	22			
Barite	514	29,690	27,495	2,195			
Bauxite	10	276	176	100			
Bentonite	222	7,488	5,508	1,980			
Calcite	31	1,116	1,004	112			
Chalk	125	13,145	12,928	217			
China Clay	400	13,170	11631	1,539			
Chromite	654	41,459	37,739	3,720			
Coal	23,777	1,923,325	1,670,623	252,702			
Copper Ore	1,274	193,411	176,292	19,8120			
Crude Oil	10,994	1,923,695	1,725,575	17,119			
Dolomite	1,133	44,320	32,958	11,362			
Ebray Stone	3	72	65	7			
Feldspar	122	3,214	2,480	734			
Fire Clay	291	20,876	15,569	5,307			
Flourite	31	1,150	987	163			
Fuller's Earth	337	10,093	6,835	3,258			
Granite	106	6,084	5,116	968			
Gypsum	1,453	58,942	57,454	1,488			
Iron Ore	64	4,342	4,035	307			
Lake Salt/ Sea Salt Laterite	97 375	6,538	5,798	740			
Lime Stone	10,425	28,537 700,707	25,745 651,126	2,792 49,581			
Magnesite	10,423	1,491	1,376	49,381			
Marble	7,387	274,939	198,853	76,086			
Natural Gas	18,469	3,973,453	3,626,668	346,785			
Ocher	127	5,685	5,189	496			
Phosphate	120	6,530	6,210	320			
Quartz	56	2,781	2,475	320			
Red Oxide	22	1079	960	119			
Rock Salt	4,192	229,486	200,283	29,203			
Shale Clay	2,067	150,609	124,565	26,044			
Silica Sand	2,199	109,638	103,129	6,509			
Slate Stone	192	10,246	6,771	3,475			
Soap Stone	542	22,498	14,950	7,548			
Serpentine	61	4,524	3,522	1,002			
Sulphur	325	16,756	15,472	1,284			
Trona	26	1,297	798	499			

Table-4.8: Employment and Employment Cost by type of Minerals- Punjab

Type of Minerals	Average daily	Emp	ployment Cost during the	year
	employment during the year (Nos)	Total	Wages and Salaries	Other Cash / Non- Cash Payments
1	2	3	4	5
All Minerals	23,729	2,208,720	1,981,170	227,550
Argi Clay	240	8,640	7,776	864
Bauxite	10	276	176	100
Bentonite	190	5,298	3,512	1,786
Calcite	31	1,116	1,004	112
China Clay	230	7,640	6,876	764
Coal	5,798	458,638	416,242	42,396
Crude Oil	3,896	657,582	561,847	95,735
Dolomite	267	7,016	4,860	2,156
Ebray Stone	3	72	65	7
Fire Clay	261	18,586	13,469	5,117
Fullers Earth	28	805	589	216
Gypsum	982	39,785	38,592	1,193
Iron Ore	38	2,152	1,985	167
Laterite	150	16,145	15,145	1,000
Lime Stone	4,278	385,618	359,876	25,742
Marble	40	1,516	1,000	516
Natural Gas	1,825	316,524	298,742	17,782
Ocher	127	5,685	5,189	496
Rock Salt	3,796	210,734	182,469	28,265
Silica Sand	1,214	48,136	46,284	1,852
Sulphur	325	16,756	15,472	1,284

Table-4.9: Employment and Employment Cost by type of Minerals- Sindh

Type of Minerals	Average daily	Emp	ployment Cost during the	year
	employment during the year (Nos)	Total	Wages and Salaries	Other Cash / Non- Cash Payments
1	2	3	4	5
All Minerals	28,304	4,297,851	3,928,092	369,759
Ball Clay	8	240	218	22
Chalk	125	13,145	12,928	217
China Clay	132	3,654	3,175	479
Coal	7,358	503,678	453,868	49,810
Crude Oil	6,795	1,241,842	1,143,885	97,957
Dolomite	578	24,513	16,728	7,785
Fuller's Earth	289	8,219	5,250	2,969
Granite	15	440	380	60
Lake Salt/Sea Slat	97	6,538	5,798	740
Laterite	50	1,517	950	567
Lime Stone	982	56,718	46,178	10,540
Marble	358	18,258	12,850	5,408
Natural Gas	10,284	2,351,846	2,167,894	183,952
Shale Clay	370	13,986	8,596	5,390
Silica Sand	837	51,960	48,596	3,364
Trona	26	1,297	798	499

Table-4.10: Employment and Employment Cost by type of Minerals- NWFP

Type of Minerals	Average daily	Emį	oloyment Cost during the	year
	employment (Nos)	Total	Wages and Salaries	Other Cash / Non-Cash Payment
1	2	3	4	5
All Minerals	13,732	579,427	494,248	85,179
Barite	49	2,098	1,857	241
Bentonite	32	2,190	1,996	194
China Clay	38	1,876	1,580	296
Chromite	76	2,735	1,763	972
Coal	1,865	59,723	57,674	2,049
Crude Oil	268	20,126	16,974	3,152
Dolomite	284	12,735	11,320	1,415
Feldspar	122	3,214	2,480	734
Fire Clay	30	2,290	2,100	190
Flourite	18	673	572	101
Fuller Earth	20	1,069	996	73
Granite	43	2,986	2,176	810
Gypsum	471	19,157	18,862	295
Iron Ore	26	2,190	2,050	140
Laterite	175	10,875	9,650	1,225
Lime Stone	3,670	149,578	146,594	2,984
Magnesite	10	479	426	53
Marble	4,726	167,920	113,540	54,380
Natural Gas	212	37,485	36,192	1,293
Phosphate	120	6,530	6,210	320
Quartz	56	2,781	2,475	306
Red Oxide	22	1,079	960	119
Rock Salt	396	18,752	17,814	938
Serpentine	19	770	728	42
Shale Clay	102	7,830	7,289	541
Silica Sand	148	9,542	8,249	1,293
Slat-Stone	192	10,246	6,771	3,475
Soap Stone	542	22,498	14,950	7,548

Table-4.11: Employment and Employment Cost by type of Minerals- Balochistan

		Emp	ployment Cost during the	year
Type of Minerals	Average daily employment (Nos)	Total	Wages and Salaries	Other Cash / Non-Cash Payments
1	2	3	4	5
All Minerals	22,788	2,767,056	2,394,159	372,987
Antimony Ore	42	1,512	1,315	197
Barite	465	27,592	25,638	1,954
Chromite	578	38,724	35,976	2,748
Coal	8,756	901,286	742,839	158,447
Copper Ore	1,274	193,411	176,292	17,119
Crude Oil	35	4,145	2,869	1,276
Dolomite	4	56	50	6
Flourite	13	477	415	62
Granite	48	2,658	2,560	98
Lime Stone	1,495	108,793	98,478	10,315
Magnesite	30	1012	950	62
Marble	2,263	87,245	71,463	15,782
Natural gas	6,148	1,267,598	1,123,840	143,758
Serpentine	42	3,754	2,794	960
Shale Clay	1,595	128,793	108,680	20,113

**Table-4.12: Minerals Production - Pakistan** 

						(1)	Metric Tons)
Type of Minerals	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
1	2	3	4	5	6	7	8
Antimony Ore	-	-	-	-	-	5	91
Argi Clay	1,298,875	1,188,237	1,276,869	1,281,922	1,550,795	1,793,989	2,077,659
Ball Clay	1,280	2,450	2,197	4,201	4,715	3,213	741
Barite	25,951	28,289	21,451	65,605	44,207	42,087	52,133
Bauxite	9,683	3,728	12,233	4,098	4,847	6,504	7,831
Bentonite	16,549	16,611	11,476	11,290	6,316	15,671	20,088
Calcite	30	-	-	27	-	1,160	3,360
Chalk	8,094	9,722	7,881	7,733	7,735	8,146	3,968
China Clay	62,480	46,792	54,963	39,575	25,204	37,732	53,051
Chromite	33,317	21,683	24,185	30,657	29,230	46,359	64,572
Coal	32,730,557	3,259,881	3,557,915	3,609,338	3,325,408	3,367,021	3,880,604
Copper Ore	-	-	-	10,000	3,750,608	3,991,923	5,195,857
Crude Oil (000 barrels)	20,395	21,084	23,195	23,458	22,625	24,119	23,936
Dolomite	386,654	401,088	265,095	375,345	297,419	199,653	183,952
Ebray Stone	225	-	75	-	680	430	40
Feldspar	35,601	42,780	35,071	37,344	30,373	25,032	8,978
Fire Clay	139,076	158,441	174,429	120,243	192,728	253,501	332,528
Flourite	675	901	1,068	1,291	1,166	1,060	1,966
Fuller's Earth	24,200	17,591	19,497	16,670	13,986	17,001	16,209
Granite	4,709	9,072	8,548	6,424	9,982	6,153	8,657
Gravel	25,340	28,000	3,717	8,275	4,557	9,635	-
Gypsum	365,463	399,097	401,740	424,107	467,065	552,496	601,027
Iron Ore	47,206	25,065	4,942	11,483	84,946	104,278	131,259
Lake Salt	12,677	14,700	14,375	16,652	11,555	14,375	15,249
Laterite	40,886	44,339	44,852	63,860	83,197	71,784	52,539
Lime Stone	11,594,647	13,107,508	10,819,571	13,972,961	13,150,127	14,857,479	18,427,706
Magnesite	3,983	5,690	5,910	2,238	6,074	3,029	2,446
Marble	624,938	634,283	685,258	1,066,276	993,558	1,280,304	1,835,668
Natural Gas (mcf)	818,342	875,433	923,758	992,589	1,202,752	1,344,953	1,400,026
Ocher	4,793	4,691	5,064	6,733	7,861	18,686	34,320
Phosphate	5,208	2,385	1,362	2,562	4,614	2,687	910
Quartz	-	10,532	7,076	8,550	13,340	16,871	32,339
Red Oxide	20,060	16,910	26,345	23,225	11,146	11,544	9,963
Rock Salt	1,457,816	1,377,130	1,423,478	1,426,067	1,639,516	1,648,223	1,858,931
Serpentine	5,533	8,445	11,043	12,378	11,575	10,434	4,933
Shale Clay	1,698,726	2,123,251	1,764,471	1,759,082	1,934,366	1,550,444	1,892,857
Silica Sand	177,777	165,166	161,737	221,781	259,009	308,901	411,047
Slate Stone	221,819	133,127	161,142	250,356	252,771	298,776	47,649
Soap Stone	47,869	62,337	53,573	73,057	52,483	20,564	21,065
Sulpher	22,812	17,428	22,580	19,402	23,873	24,158	24,695
Trona	3,054	3,513	3,887	3,484	3,234	1,654	2,371

Source: Tables 4.13 to 4. 16

**Table-4.13: Minerals Production -Punjab** 

	1			1		1	(Metric Tons)
Type of Minerals	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
1	2	3	4	5	6	7	8
Argi Clay	1,298,875	1,188,237	1,276,869	1,281,922	1,550,795	1,793.989	2,077,659
Bauxite	9,683	3,728	12,233	4,098	4,847	6,504	7,831
Bentonite	13,699	16,221	7,389	6,344	5,436	10,858	14,018
Calcite	30	-	-	27	-	1,160	3,360
China Clay	-	-	-	-	130	3,330	6,040
Coal	459,517	401,346	515,262	502,326	535,066	544,326	573,684
Crude Oil (000 barrels)	7,660	7,383	7,848	8,112	8,405	8,481	9,348
Dolomite	43,754	33,843	48,858	43,423	55,219	38,995	48,085
Ebray Stone	225	-	75	-	680	430	40
Fire Clay	138,931	157,271	165,493	112,333	182,327	216,986	319,821
Fuller's Earth	6,010	3,350	2,770	3,144	1,360	3,220	2,414
Gypsum	241,502	224,970	205,127	259,859	326,169	376,366	457,945
Iron Ore	46,100	24,855	4,762	11,344	9,917	54,688	126,788
Lime Stone	5,200,404	5,108,467	5,123,456	6,358,606	6,081,068	8,196,611	10,220,992
Laterite	-	13,659	19,684	37,603	53,416	24,617	26,887
Marble	370	563	50	-	585	1,941	3,279
Natural Gas (mcf)	54,465	65,633	70,227	67,891	67,498	63,832	67,797
Ocher	4,793	4,691	5,064	5,389	7,861	18,686	34,320
Rock Salt	1,336,724	1,261,141	1,305,015	1,330,164	1,534,408	1,595,301	1,751,293
Silica Sand	90,637	75,910	83,228	87,363	144,864	170,287	310,406
Sulphur	22,772	17,428	22,580	19,402	23,873	24,158	24,695
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Source: Directorate of Mines and Minerals, Punjab

**Table-4.14: Minerals Production -Sindh** 

	400000	*****					
Type of Minerals	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
1	2	3	4	5	6	7	8
Ball Clay	1,280	2,450	2,197	4,201	4,715	3,213	741
Bentonite	2,850	390	95	1,760	-	-	-
Chalk	8,094	9,722	7,881	7,733	7,735	8,146	3,968
China Clay	15,674	12,968	8,574	7,215	7,041	8,796	10,071
Coal	994,558	978,540	1,010,469	1,049,042	924,142	917,975	1,066,257
Crude Oil (000 barrels)	12,735	13,701	15,346	15,345	14,220	14,557	13,299
Dolomite	166,889	182,592	132,478	146,603	123,950	114,059	80,921
Fuller's Earth	17,184	14,016	15,186	13,526	10,716	10,312	9,486
Granite	1,274	948	963	1,047	401	372	282
Gravel	-	-	3,717	8,275	4,557	9,635	-
Lake Salt	12,677	14,700	14,375	16,652	11,555	14,375	15,249
Laterite	15,071	17,865	10,692	5,370	2,020	8,997	755
Lime Stone	1,995,244	1,900,518	1,900,761	1,579,147	1,528,809	2,393,099	2,573,266
Marble	1,595	2,620	4,639	5,265	5,766	4,354	548
Natural Gas million (mcf)	393,376	422,432	479,370	566,452	786,546	936,163	982,036
Shale Clay	390,236	428,766	488,983	411,661	264,258	300,535	293,787
Silica Sand	60,263	67,690	59,085	106,130	83,990	81,750	66,823
Trona	3,054	3,513	3,887	3,484	3,234	1,654	2,371

Source: Directorate of Mines and Minerals, Sindh

**Table-4.15: Minerals Production -NWFP** 

						(	Metric Tons)
Type of Minerals	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
1	2	3	4	5	6	7	8
Barite	2,233	4,129	3,154	27,913	1,902	1,287	1,142
Bentonite	-	-	3,992	3,074	880	4,813	6,070
China Clay	46,806	33,824	46,389	32,360	18,033	25,606	36,940
Chromite	100	3,343	2,990	5,350	6,193	24,613	37,059
Coal	46,355	192,497	265,989	266,214	214,161	216,808	331,160
Crude Oil (000 barrels)	_	-	_	_	_	1,061	1,264
Dolomite	174,498	183,720	83,329	184,942	117,885	46,361	54,692
Feldspar	35,601	42,780	35,071	37,344	30,373	25,032	8,978
Fire Clay	145	1,170	8,936	7,910	10,401	36,515	12707
Flourite	-	-	-	310	140	90	1,150
Fuller's Earth	1,006	225	1,541	1,758	1,910	3,469	4309
Granite	-	3,270	4,820	3,372	5,567	3,895	6,196
Gypsum	123,961	174,127	196,473	163,158	140,896	176,130	143,082
Iron Ore	1,106	210	-	-	360	162	4,471
Laterite	25,815	26,474	14,476	20,887	27,761	38,170	24,897
Lime Stone	4,305,933	5,936,251	3,646,049	5,781,147	5,268,416	3,923,032	5,214,657
Magnesite	3,833	5,590	5,260	1,388	5,334	1,484	1,051
Marble	455,665	450,443	473,291	802,838	644,355	850,382	1,412,616
Natural Gas (mcf)	_	_	_	_	_	8,465	20,161
Phosphate	5,208	2,385	1,362	2,562	4,614	2,687	910
Quartz	-	10,532	7,076	8,550	13,340	16,871	32,339
Red-Oxide	20,060	16,910	26,345	23,225	11,146	11,544	9,963
Rock Salt	121,092	115,989	118,463	95,903	105,108	52,922	107,638
Serpentine	795	4,818	6,513	7,183	9,210	8,111	2,160
Shale Clay	691,604	898,850	677,712	783,826	904,325	441,643	737,565
Silica Sand	26,877	21,566	19,424	28,288	30,155	56,864	33,818
Slate-Stone	221,819	133,127	161,142	250,356	252,771	298,776	47,649
Soap Stone	47,869	62,337	53,573	73,057	52,483	20,564	21,065
		1	1	1		1	1

Source: Directorate of Mines and Minerals, NWFP

**Table-4.16: Minerals Production - Balochistan** 

Town of Minerals	1000.00	2000.01	2001 2002	2002.02	2002.04	2004.05	2005.06
Type of Minerals	1999-00	2000-01	2001-2002	2002-03	2003-04	2004-05	2005-06
1	2	3	4	5	6	7	8
Antimony Ore	-	-	-	-	-	5	91
Barite	23,718	24,160	18,297	37,692	42,305	40,800	50,991
Chromite	33, 217	18,340	21,195	25,307	23,037	21,746	27,513
Coal	1,772,625	1,687,498	1,766,195	1,791,756	1,652,039	1,687,912	1,909,503
Copper Ore	-	-	-	10,000	3,750,608	3,991,923	5,195,857
Crude Oil (000 barrels)	-	-	-	-	-	20	25
Dolomite	1,513	933	430	377	365	238	254
Flourite	675	901	1,068	1,215	1,026	970	816
Granite	5,831	3,882	2,765	2,005	4,014	1,886	2,179
Iron Ore	-	-	180	139	74,669	9,650	126,788
Lime Stone	930,66	162,272	149,305	254,061	271,834	344,737	418,791
Magnisite	150	100	650	850	740	1,545	1,395
Marble	167,308	180,657	207,278	258,173	342,852	423,627	419,225
Natural gas (mcf)	370,501	387,368	374,161	358,246	348,708	336,493	330,032
Serpentine	4,738	3,627	4,530	5,195	2,365	2,323	2,773
Shale Clay	616,886	795,641	597,776	563,595	765,783	808,266	861,505

Source: Directorate of Mines and Minerals, Balochistan

Table-4.17: Metallic Mineral Resources of Pakistan

Minerals / Commodity	Ore Reserves (In Tones)	Location	Quality
1	2	3	4
	600,000,000	Chagi and Kalat districts, Balochistan	Low to medium grade
Iron Ore	N.E.	Nizampur, NWFP	N.E.
	N.E	Kalabagh/Mianwali – Punjab	N.E.
Copper	500,000,000	Saindak, Chagi – Balochistan	Low to medium grade
	N.E	Waziristan Areas	N.E.
Aluminum (Laterite/Bauxite)	74,000,000	Muzaffarabad – AJK Ziarat, Kalat – Balochistan Khushab – Punjab	Low to medium grade
Lead/Zinc Ore	46,000,000	Lasbela, Khuzdar – Balochistan	Medium to high grade
	N.E	Basham – NWFP	N.E.
Chromite	F.L.D.	Muslimbagh, Wadh, Kharan (Balochistan)	Medium to high grade
	N.E	Dargai, Kohistan – NWFP	N.E.
Platinum	N.E.	Dargai, Kohistan – NWFP	N.E.
1 fatilitiii	N.E	Muslimbagh – Balochistan	N.E.
Tungsten	N.E.	Chitral – Northern Areas	N.E.
Lithium	N.E.	Norther Areas	N.E.

N.E. Not Estimated

F.L.D. Fairly Large Deposits Source: Minerals & Mining Sector Profile 2006, Board of Investment, Govt. of Pakistan

**Table-4.18: Non-Metallic Mineral Resources of Pakistan** 

Minerals / Commodity	Ore Reserves (In Tones)	Location	Quality
1	2	3	4
Cement Raw Material	Very Large Deposits	All Provinces of Pakistan	Very Good
Marble / Aragonite	Very Large Deposits	Chagi- Balochistan Noushehra – NWFP	Very Good
Rock Salt	Very Large Deposits	Salt Range – Punjab	Very Good
Building Stones	Very Large Deposits	Many district of Balochistan – NWFP – Sindh	Good
Limestone	Very Large Deposits	All provinces and AJK	Good
Dolomite	Very Large Deposits	Jhimpir – Sindh	Medium
Silica Sand	Very Large Deposits	Surghar Range – Punjab Thano Bulla Khan – Sindh	Medium
Fuller's Earth	Fairly Large Deposits	Khairpur, Dadu – Sindh	Good
Gypsum and Anhydrite	5-6 billion Tonnes	Salt Range, DG Khan – Punjab Spintangi – Balochistan Dadu – Sindh	Good
Fire Clay	100,000,000	Kala Chitta and Salt Range – Punjab Meting Jhimpur – Sindh	Good
Clays (including China Clay)	+34,000,000	NWFP – Punjab – Sindh	Good
Barite	30,000,000	Lasbela, Khuszdar – Balochistan Hazara – NWFP	Mostly drilling mud type
Phosphate	22,000,000	Kakul – NWFP	Medium to low grade
Magnesite	12,000,000	Abbottabad – NWFP Muslimbagh, Wad – Balochistan	Medium
Sulphur	800,000	Koh-i-Sultan – Balochistan	Medium to low grade
Soap Stone	600,000	Parachinar- NWFP	Good
Coal	185,173 Million Tonnes	Sindh – Balochistan – Sindh – NWFP, Mianwali, Attock – Punjab	Lignite A to Bifuminous A
Flourite	100,000	Kalat	Good
Gemstone	Not Estimated	Northern Areas	Good

Source: Minerals & Mining Sector Profile 2006, Board of Investment, Government of Pakistan

**Table-4.19: Mineral Sector Projects: Ongoing** 

	Project Name	Name of Foreign / Local Company	Country	Amount of Investment	Current Status
1	Saindak Copper Gold Project, Balochistan	MCC Resources Department Limited	China	US\$ 30 million	Mining production of refined copper gold is in progress. The company has exported refined copper-gold worth of US\$ 25 million so far
2	Reko Dik, Copper Gold Project	Tethyan Copper Company Limited	Australia	US\$ 130 million	The company is preparing feasibility of a starter project aiming to produce 40.000 tons of refined copper per annum with export earning US\$ 75 million
3	Thar Coal Project Sindh	M/s Shenhau Group Company of Chiana	China	US\$ 400 million	The company is in process of preparation of feasibility study for commissioning of 600 MW coal fired power plants.
4	Dubbar Lead- Zinc Project, Balochistan	MCC Resource Development	China	US\$ 72 million	The company has signed an agreement with PMDC for mining & processing of Dubbar Lead-Zinc aiming to produce 100.354 tons zinc and 32,584 tons lead concentrate annually during 14 years mine life. The company has started work on the project.
5	Dilband iron ore deposits, Balochistan	Bolan Mining Enterprises ( A public sector organization venture of M/s PPL & Government of Balochistan	Pakistan		The company has signed an agreement with Pakistan Steel for supply of 100,000 tons iron ore annually. The company has started supply of iron ore to Pakistan Steel.

Source: Minerals & Mining Sector Profile 2006, Board of Investment, Government of Pakistan

**Table 4.20: Commercial Energy Supplies** 

Fiscal	(	)il	Natural Gas	Petroleur	m Products	Elec	etricity
Year	Crude Oil Imports (000 barrels	Local Crude Extraction (000 barrels	(mcf)	Imports (000 tonnes)	Production (000 tonnes)	Installed Capacity (MW)	Generation (Gwh)
1995-96	31,044	21,063	666,580	10,137	5,874	12,969	56,946
1996-97	28,588	21,270	697,763	10,398	5,495	14,818	59,125
1997-98	29,826	20,543	699,709	11,064	5,858	15,659	62,104
1998-99	32,855	19,986	744,942	10,926	5,925	15,663	65,402
1999-00	32,938	20,395	818,342	11,878	6,115	17,399	65,751
2000-01	52,505	21,084	875,433	10,029	8,337	17,488	68,117
2001-02	51,982	23,195	923,758	9,023	9,028	17,789	72,405
2002-03	52,512	23,458	992,589	8,437	9,084	17,787	75,682
2003-04	57,699	22,625	1,202,750	5,170	9,740	19,252	80,827
2004-05	61,161	24,119	1,344,953	5,676	10,474	19,379	85,629
2005-06	63,546	23,936	1,400,026	6,009	10,498	19,450	93,774

Source: Pakistan Economic Survey 2008-09



#### Government of Pakistan

### FEDERAL BUREAU OF STATISTICS

Energy & Mining Statistics Section Plot No. 17/C, RR Ahmad Plaza G-8 Markaz Islamabad

Information required in this Form is obligatory under the General Statistics Act, 1975. However, it is assured that as per provision of the same Act, the information collected will be kept strictly confidential and used in aggregates for statistical purpose only. The information will not be furnished to any other agency / department.

## Census of Mining & Quarrying Industries 2005-06

Section-1	<b>Particulars</b>	of Establishment

1.1 Name of Esta	ablish	ment												
	<u> </u>													
1.2 Address														
1.3 Telephone N	umbe	r	1	.4 Fax Nu	mber				1.	5 Emai	1			
4 6 3 7 6 3 7														
1.6 Name of Mir	neral I	roduced												
17 34 4 1 63	<i>r</i>						1 10							
1.7. Method of N	/lınıng	g:	5	Surface/U	nderg	round	1.8	Tot	tal lease		area _ (In ac	eroe)		
											(III ac	.168)		
1.9 Lease/Licens	se No	1 1	<u> </u>					1.10	) Locati	on/Site	e of N	/line/Wel	1	
1.11 Type of Ow	merch	in (Please tid	rk)											
1.11 Type of Ow	/1101311	ip (i icase in	JK)	P	akista	ni							Foreig	gn
													contro	olled
	P	ublic Sector						Private	e Sector	•			Enter	prise
i. Local/Domes	tic	ii. Foreign	Collabor	ation	iii	Local/Do	mestic	iv. F	oreign	Collab	oratio	on		
													1	
1.12.Type of Org	ganiza	tion (Please	tick)											
i. Individual		artnership	iii. Priv	vate Ltd.		Public Ltd	. v.	State C	wned	Vi. C	thers	(Pl. spec	cify)	
Ownership			Compa	any	Coı	npany								

## Section-2A Employment

(Numbers)

		Number of Employees on Pay Roll on Last working day of				
Тур	e of Employees	Sept, 05	Dec, 05	March, 06	June, 06	
1	Working proprietors and active partners					
2	Managers, Accountants, Engineers etc					
3	Production worker including Repair &					
	Maintenance workers					
4	Non Production workers					
5	Others workers					
	Total					

## **Section-2B Employment cost**

(000 Rs)

Typ	e of Employees	Emplo	Employment cost during the accounting year			
		Wages &	Other Cash	Payment in	Total	
		Salaries	Payments	kind		
1	Working proprietors and active partners					
2	Managers, Accounts, Engineers etc					
3	Production worker including Repair & Maintenance					
	workers					
4	Non Production workers					
5	Contract workers					
6	Others workers					
	Total					

## Section-3 Mineral Produced and Sold

(000 Rs)

Quarter	Unit of	Mineral Produced		Minera	l Sold
	Measurement	Quantity	Value	Quantity	Value
July-Sep, 05					
Oct-Dec, 05					
Jan-Mar, 06					
Apr-Jun, 06					
Total					

Receipts for work done for others	Rs.	
Others receipts (if any)	Rs.	

# Section-4A Intermediate Inputs

(000 Rs)

Sr. No.	Items	July-Sep: 2005	Oct-Dec: 2005	Jan-Mar: 2006	Apr-Jun: 2006	Total cost
	Payments for fuel purchased (Petrol,					
1	Diesel & Kerosene Oil etc.)					
2	Payment for electricity purchased					
3	Payments made for Explosives including detonators/ accessories etc					
4	Mining timbers/supports					
5	Payments made for minor repair & maintenance work					

## **Section-4B Other Inputs**

(000 Rs)

Sr. No.	Items	July-Sep: 2005	Oct-Dec: 2005	Jan-Mar: 2006	Apr-Jun: 2006	Total cost
1	Commission paid to agents					
2	Transportation Charges including loading/unloading charges					
3	Telecommunication charges					
4	Printing & stationery					
5	Travelling &Entertainment expenses					
6	Insurance Premium paid					
7	Payments made for storage					
8	Water charges					
9	Bank Charges					
10	Audit fee /Legal Fee					
11	Other Expenses (if any)					
	Total:					

# Section-5 Taxes, Depreciation & Interest

(000 Rs)

Type of tax		July-Sep 2005	Oct-Dec 2005	Jan-Mar 2006	Apr-Jun 2006	Total 2005-06
1	Royalty/dead rent/annual fees					
2	Excise duty paid (Federal)					
3	Sales Tax/GST					
4	Provincial taxes					
5	District taxes					
6	Depreciation					
7	Interest paid					
8	Interest received					
9	Social Security / EOBI Contribution					
10	Labour Welfare Cess					
11	Any other tax ( Please specify)					
TOTAL						

# Section-6 Fixed Assets

(000 Rs)

Item		Additions/Alterations of Fixed Assets during the year 2005-06	Sale/ Disposal of fixed assets during the year 2005-06	
1	Land			
	<ul> <li>i. Value of land purchased</li> <li>ii. Cost of land ownership transferred</li> <li>iii. Land improvement</li> </ul>			
2	Major improvements to land			
3	Buildings & Other Constructions			
4	Access Roads made			
5	Plant & Machinery			
6	Transport Equipment			
7	Furniture & Fixture			
8	Other fixed assets			
TOTAL				

Signature		 	 	
Name _				
Designa	tion			