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Introduction

urvey of mines-related activities and continuous dissemination of its results began by the then Ministry of Industry, Mine and Trade in the year 1333. Related statistics were published annually in the attachment of the publication "Statistics on Manufacturing Activities" until the year 1339, but they have appeared in a separate publication ever since under the title of "Statistics on Mineral Activities of Iran". The first census of mines of the country was carried out in the month of Azar in the year 1342 by the Ministry of Economy. Statistical Bureau of the Ministry of Economy gathered and published statistics on mines-related activities annually from the year 1342 to the year 1353, using statistics from nationwide mines registers and records. The second census of mines of the country was conducted by the cooperation of the SCI and the Ministry of Industry, Mine and Trade in the year 1353. The SCI used to conduct a survey of a selected number of mines annually from the year 1353 to the year 1357. This economic sector suffered from the lack of statistics during the year 1357 to the year 1363, because in the interim neither statistical surveys were implemented nor comprehensive registers were available. The SCI conducted a survey of mines, covered by the public sector in the years 1364 and 1365, and also carried out the third census of mines of the country in the year 1366. Survey of mines has been conducted every year from the year 1367 to the year 1385 except for the years` 1370 and 1384.

The data presented in this chapter are from the aforementioned censuses and surveys as well as data from the mineral cooperatives companies reported by the Ministry of Cooperatives, Labor and Social Welfare .

On the statistics presented, it should be noted that:

(1) in the survey of the operating mines of the country, statistics on oil and gas, radioactive materials, and clay were not collected. However, due to the special importance of oil and gas statistics, the related information is separately presented in chapter 7(Oil and gas).

(2) in the survey of operating mines, sand and gravel mines are enumerated by a sample survey, and other mines by a census.

(3) the ISIC Rev.5 is followed with appropriate modifications for the classification of activities in this sector.

Definitions and concepts

Mine: collection of (cost-effective) mineral deposits, machinery, and facilities established for exploring, equipping, and exploiting and dressing of minerals. Dressing refers to all physical and chemical operations for separating some of waste materials from ores or separating ores from one another.

Operating mine: any mine with exploitation license from the Ministry of Industry, Mine and Trade (for mines other than sand and gravel) or from municipalities and governors offices (for sand and gravel) that has been under extraction (in some cases with dressing activities) for at least 30 successive or non-successive days to produce marketable ores during the year of the enumeration.

Private management: management exercised by individuals or private institutions.

Public management: management exercised by the ministries, government organizations, Islamic Revolution Foundations, banks, municipalities and other public institutions.

Workers: all the individuals working full-time or part-time in mine-related activities inside or outside of the mine. The employed persons are divided into two groups: production line workers

(skilled and unskilled) and other workers (administrative, financial and service) according to their duties.

Production line skilled workers: employed persons capable of performing a part of technical activities related to production line due to their know-how and experience. Engineers, technicians, craftsmen, foremen, skilled labourers, fitters, and drivers, are some examples.

Production line unskilled workers: persons working in production line whose jobs do not require any specific training or experience; such as labourers and porters.

Other workers (administrative, financial and service): employed persons engaged in clerical, administrative, financial and services activities in mines or their central offices but not engaged directly in extraction and production activities.

In presentation of statistics on employed persons, it is noteworthy that the method of "average number of employed persons" has been employed in the calculation.

Compensation of employees: see "Chapter 5, Definitions and concepts".

Mineral production: all minerals obtained from a series of extraction activities which make them marketable. It should be mentioned that in some mining activities, minerals are supplied to the market without undergoing dressing process, whereas in others, minerals are supplied to the market after a series of physical and/or chemical treatments for separating some of the waste from ores, separating ores from one another, or increasing fineness of raw material. In addition, in one industry, several minerals may be produced. For example, copper ore mining activity includes minerals of copper ore and copper and molybdenum concentrates production.

Value of products: value of extracted ores and value of saleable mineral waste products at producer's prices; that is, the price of sale to customers at the mine.

Investment (changes in the value of capital properties): see Chapter 5, Definitions and concepts.

Value added: value of receipts (outputs) less the value of payments (inputs).

Value of receipts (outputs): value of mineral products, value of saleable mineral waste products, manufacture and major repairs of capital goods by mine workers and other receipts of the mine including receipts from contracts, minor repairs of buildings and office equipment, minor repairs of machinery, laboratory, etc.

Value of payments (inputs): value of purchased materials and non-durable tools and instruments, fuel consumed, water and electricity, and other payments including payments on contracts, minor repairs of building and office equipment, minor repairs of machinery, laboratory, etc.

Cooperative: see Chapter 5, Definitions and concepts.

Mines cooperative: a cooperative company engaged in excavation, exploitation, and sales of minerals obtained from operating mines

Selected information

On the basis of the country's operating mines survey results in the year 1394, there were 5214 operating mines. The results show that a total of 91211 persons were working in these mines and the number of workers decreased by 0.7 percent in contrast to the year 1393.

In the year 1394, the value of mines products amounted to 118291069 million rials. Iron ore, copper ore and decorative stones with 52343356, 25791222 and 7522039 million rials had the highest annual production value, respectively.

In the year 1394, the value added of the nation's operating mine amounted to 84071447 million rials. Iron ore, copper ore, and decorative stones with 34569405, 19353501 and 5793354 million rials had the highest value added, respectively. These three accounted for more than 71% of the sector's total value added.

Moreover, Kerman, Yazd and East Azarbayejan with 33857935, 16003900 and 4610725 million rials had the highest value added of the country's operating mines among the provinces.

In the year 1394, over 29420 billion rials of fresh investments were accomplished that about 57% relate to machinery, durable tools and administrative equipment, 9% went to the construction and installations and 28% were for development and exploration.

6.1. NUMBER OF MINES, WORKERS, COMPENSATION OF EMPLOYEES AND VALUE OF PRODUCTION IN OPERATING MINES BY OSTAN (mln rials)

Year and Ostan	Number of mines			Number of workers				Compensation of employees	Value of production
	Total	Type of management		Total ⁽¹⁾	Production line		Other (administrative, financial and service)		
		Private	Public		Skilled	Unskilled			
1375	2704	2137	567	53046	23259	16372	13415	480155	⁽²⁾ 1941600
1380.....	2892	2548	344	55560	28013	14939	12608	899382	5675787
1385.....	3582	3301	281	60062	31107	16146	12810	2307840	22642408
1390.....	5246	5036	209	84528	45159	21280	18089	7316839	65442497
1391.....	5316	5124	192	84922	46721	20261	17941	8857564	101209836
1392 ⁽³⁾	5445	5276	170	94640	50886	22808	20946	12063847	126738474
1393	5355	5199	156	91869	51499	21372	18998	15797219	139206408
1394... ..	5214	5056	158	91211	52975	19878	18358	20722775	118291069
East Azarbajejan	258	256	2	4375	2389	1495	491	239524	5475538
West Azarbajejan	329	320	9	2710	1512	403	794	373347	1852398
Ardebil	87	87	0	472	309	85	78	38692	176704
Esfahan	357	349	7	5564	3508	658	1397	1000692	4178493
Alborz	24	22	2	486	213	116	157	71892	302707
Ilam.....	38	31	7	385	219	61	105	45653	248720
Bushehr.....	169	169	0	1001	504	187	310	83043	389915
Tehran.....	107	105	2	2199	1051	838	310	467774	1845254
Chaharmahal& Bakhtiyari	75	72	3	349	208	29	112	43772	286570
South Khorasan.....	231	219	13	4718	2101	1929	688	785052	4791217
Khorasan-e-Razavi.....	472	456	15	4045	2044	1235	766	597350	3704036
North Khorasan.....	86	72	14	1223	762	279	182	167616	969265
Khuzestan	117	116	1	1312	727	309	276	172537	1133971
Zanjan	111	109	2	1373	855	184	334	241998	2393288
Semnan.....	276	275	1	3434	2128	614	691	321070	1034276
Sistan&Baluchestan	94	93	1	1385	719	466	200	147427	590295
Fars	269	262	7	4195	2882	598	716	454938	2639741
Qazvin	134	126	7	717	396	128	193	121332	297389
Qom	85	85	0	714	379	224	111	139389	361975
Kordestan	156	150	6	1079	662	132	285	134948	1433917
Kerman	488	474	14	23917	13791	4506	5621	9257807	48101511
Kermanshah	66	65	1	615	279	142	195	77382	363708
Kohgiluyeh&Boyerahmad	80	72	8	647	383	93	171	139922	721444
Golestan	76	74	3	1460	673	396	391	217982	986776
Gilan	72	72	0	906	486	265	155	123963	496229
Lorestan.....	85	82	3	1295	609	216	470	204107	973951
Mazandaran.....	97	92	5	2693	1532	704	456	407599	1181364
Markazi	311	295	15	2659	1618	426	615	448946	3170728
Hormozgan	112	112	0	1713	1086	371	255	256218	1510718
Hamedan	161	160	1	1364	770	307	287	170832	1219090
Yazd	192	184	8	12207	8179	2484	1544	3769970	25459880

1. Excluding the workers of mines whose extraction activities were entrusted to others under a contract, in the year 1387 and before.

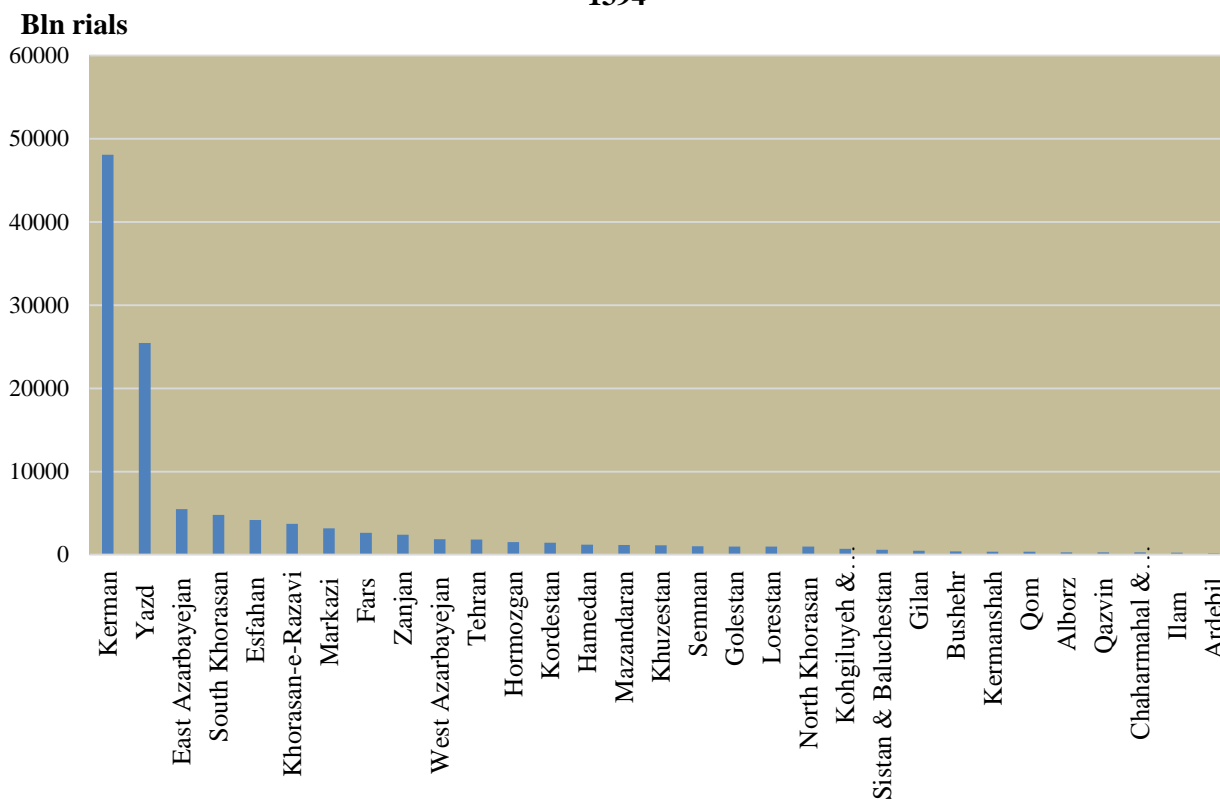
2. Including the value of mineral products and others in the year 1375.

3. Statistics for sand and gravel mines obtained from sample surveys were generalized to the total country and caused some differences.

between the total and sum of parts in some cases.

Source: Statistical Centre of Iran.

6.1. VALUE OF MINERAL PRODUCTS OF OPERATING MINES BY OSTAN, THE YEAR 1394



For data see Table 6.1.

6.2. NUMBER OF MINES, WORKERS, COMPENSATION OF EMPLOYEES AND VALUE OF PRODUCTION IN OPERATING MINES BY TYPE OF ACTIVITY, THE YEAR 1394
(mln rials)

Activity	Number of mines			Number of workers				Compensation of employees	Value of production
	Total	Type of management		Total	Production line		Other (administrative, financial and service)		
		Private	Public		Skilled	Unskilled			
Total ⁽¹⁾.....	5214	5056	158	91211	52975	19878	18358	20722775	118291069
Mining of hard coal.....	91	86	5	9995	5800	3109	1086	1610803	5530791
Mining of iron ore.....	131	124	7	20872	12289	4311	4271	8298858	52343356
Mining of lead and zinc	35	32	3	2472	1620	473	379	650786	3857619
Mining of gold ore.....	4	3	1	669	438	98	133	142318	575429
Mining of copper ore.....	36	33	3	10558	6447	2144	1967	3646832	25791222
Mining of chromite.....	47	47	0	1733	908	590	235	399170	1404791
Mining of manganese....	18	18	0	563	272	203	89	113689	189063
Mining of bauxite.....	7	5	2	559	377	141	41	69285	580202
Mining of cobalt, antimony and titanium.....	3	1	2	72	29	32	11	12077	311765
Mining of gravel and sand ..	1342	1266	75	9913	5398	1983	2532	1185026	5290588
Mining of decorative stones.....	766	760	6	10454	6242	1898	2315	1598216	7522039
Mining of rubble stone..	813	802	11	4451	2450	886	1114	501283	2063755
Mining of ballast.....	6	6	0	50	31	9	10	12365	34280
Mining of lime stone	816	786	30	9848	5973	1791	2084	1401377	7299059
Mining of gypsum.....	289	287	2	2047	1216	361	470	240351	1039454
Mining of kaolin and fireclay.....	199	198	1	1586	774	434	377	202359	776508
Mining of dolomite.....	27	26	1	173	90	39	44	17732	74783
Mining of bentonite's and fuller's earth.....	61	61	0	234	124	47	63	15135	78937
Mining of whiting.....	0	0	0	0	0	0	0	0	0
Mining of barite, limonite and ferrous oxide.....	84	84	0	624	332	154	138	87514	395369
Mining of strontium sulphate& boron.....	10	10	0	78	39	20	19	9187	26771
Mining of sodium sulphate.....	14	12	2	499	106	369	24	31146	373246
Mining of fluorine.....	12	12	0	179	93	61	25	27263	288935
Mining of orpiment phosphate & iodine.....	5	2	3	502	226	83	193	116233	1088073
Mining of peat.....	0	0	0	0	0	0	0	0	0
Mining of salt.....	74	71	3	716	367	207	142	69957	313817
Mining of bitumen.....	6	6	0	40	11	13	16	4530	14140
Mining of silica.....	119	119	0	876	473	173	230	104655	403614
Mining of ores slag.....	91	91	0	542	313	75	154	54428	216498
Mining of feldspar.....	59	59	0	371	200	63	109	32422	129037
Mining of talcum.....	14	14	0	79	41	13	26	9749	36022
Mining of shell & mica.	13	13	0	59	27	17	15	6877	68145
Mining of magnesite.....	16	16	0	208	102	71	35	22284	114382
Other precious and semi-precious stones.....	8	8	0	191	168	12	11	28869	59378

1. Statistics for some mines, obtained from sample surveys were generalized to the total country and caused differences between the total and sum of parts in some cases.

Source: Statistical Centre of Iran.

6.3. QUANTITY OF MINERALS PRODUCTION IN OPERATING MINES BY TYPE OF ACTIVITY (1000 tons)

Activity	The Year 1394
Total.....	343009
Mining of hard coal.....	3013
Mining of iron ore.....	51866
Mining of lead and zinc.....	2162
Mining of gold ore.....	1098
Mining of copper ore.....	6985
Mining of chromite.....	277
Mining of manganese.....	87
Mining of bauxite.....	841
Mining of cobalt, antimony and titanium.....	71
Mining of gravel and sand.....	79413
Mining of decorative stones.....	10726
Mining of rubble stone.....	23815
Mining of ballast stone.....	205
Mining of lime stone.....	133005
Mining of gypsum.....	12299
Mining of kaolin and fireclay.....	6218
Mining of dolomite.....	567
Mining of bentonite's and fuller's earth.....	487
Mining of whiting.....	0
Mining of barite, limonite and ferrous oxide.....	405
Mining of strontium sulphate & boron.....	37
Mining of sodium sulphate.....	286
Mining of fluorine.....	57
Mining of orpiment phosphate & iodine.....	120
Mining of peat.....	0
Mining of salt.....	2814
Mining of bitumen.....	9
Mining of silica.....	2993
Mining of ores slag.....	1924
Mining of feldspar.....	746
Mining of talcum.....	138
Mining of shell & mica.....	166
Mining of magnesite.....	152
Other precious and semi-precious stones.....	27

Source: Statistical Centre of Iran.

6.4. VALUE OF MINERALS PRODUCTION IN OPERATING MINES BY TYPE OF ACTIVITY (mln rials)

Activity	The Year 1394
Total	118291069
Mining of hard coal	5530791
Mining of iron ore	52343356
Mining of lead and zinc	3857619
Mining of gold ore	575429
Mining of copper ore.....	25791222
Mining of chromite	1404791
Mining of manganese.....	189063
Mining of bauxite.....	580202
Mining of cobalt, antimony and titanium.....	311765
Mining of gravel and sand	5290588
Mining of decorative stones	7522039
Mining of rubble stone.....	2063755
Mining of ballast stone.....	34280
Mining of lime stone	7299059
Mining of gypsum.....	1039454
Mining of kaolin and fireclay.....	776508
Mining of dolomite	74783
Mining of bentonite's and fuller's earth.....	78937
Mining of whiting	0
Mining of barite, limonite and ferrous oxide	395369
Mining of strontium sulphate & boron.....	26771
Mining of sodium sulphate	373246
Mining of fluorine	288935
Mining of orpiment phosphate & iodine.....	1088073
Mining of peat.....	0
Mining of salt	313817
Mining of bitumen	14140
Mining of silica	403614
Mining of ores slag	216498
Mining of feldspar.....	129037
Mining of talcum.....	36022
Mining of shell & mica	68145
Mining of magnesite	114382
Other precious and semi-precious stones.....	59378

Source: Statistical Centre of Iran.

6.5. VALUE ADDED, INPUTS AND OUTPUTS VALUE OF OPERATING MINES BY OSTAN
 (mln rials)

Year and Ostan	Value added	Payments (inputs)	Receipts(outputs)
1375	1421533	621369	2042902
1380.....	4618050	1254791	5872841
1385.....	16666060	6345035	23011095
1390.....	47826873	19100952	66927825
1391.....	79163479	23217922	102381401
1392.....	93432183	35910466	129342649
1393.....	97590386	45031120	142621506
1394.....	84071447	36328753	120400200
East Azerbayejan.....	4610725	882120	5492845
West Azarbayejan	1427102	468338	1895440
Ardebil	106514	72846	179360
Esfahan	2522792	1809440	4332232
Alborz	203536	108600	312136
Ilam	210846	50136	260982
Bushehr	296130	120635	416765
Tehran	1312342	564866	1877207
Chaharmahal&Bakhtiyari	202283	93310	295594
South Khorasan	4339102	528114	4867216
Khorasan-e-Razavi	3029352	706828	3736180
North Khorasan	740665	256251	996916
Khuzestan	789985	395221	1185206
Zanjan	1280835	1177066	2457901
Semnan.....	769219	302804	1072022
Sistan&Baluchestan	515094	170061	685155
Fars.....	1844812	940116	2784928
Qazvin	210455	118184	328639
Qom.....	291644	80236	371879
Kordestan	1122831	366956	1489787
Kerman.....	33857935	14644213	48502148
Kermanshah	301570	79552	381122
Kohgiluyeh&Boyerahmad	607834	123605	731439
Golestan	773990	243890	1017880
Gilan	425612	76742	502354
Lorestan.....	752380	243357	995737
Mazandaran.....	852649	433559	1286208
Markazi	2416706	825846	3242552
Hormozgan.....	1230708	335889	1566596
Hamedan	1021900	227099	1248999
Yazd	16003900	9882875	25886775

Source: Statistical Centre of Iran.

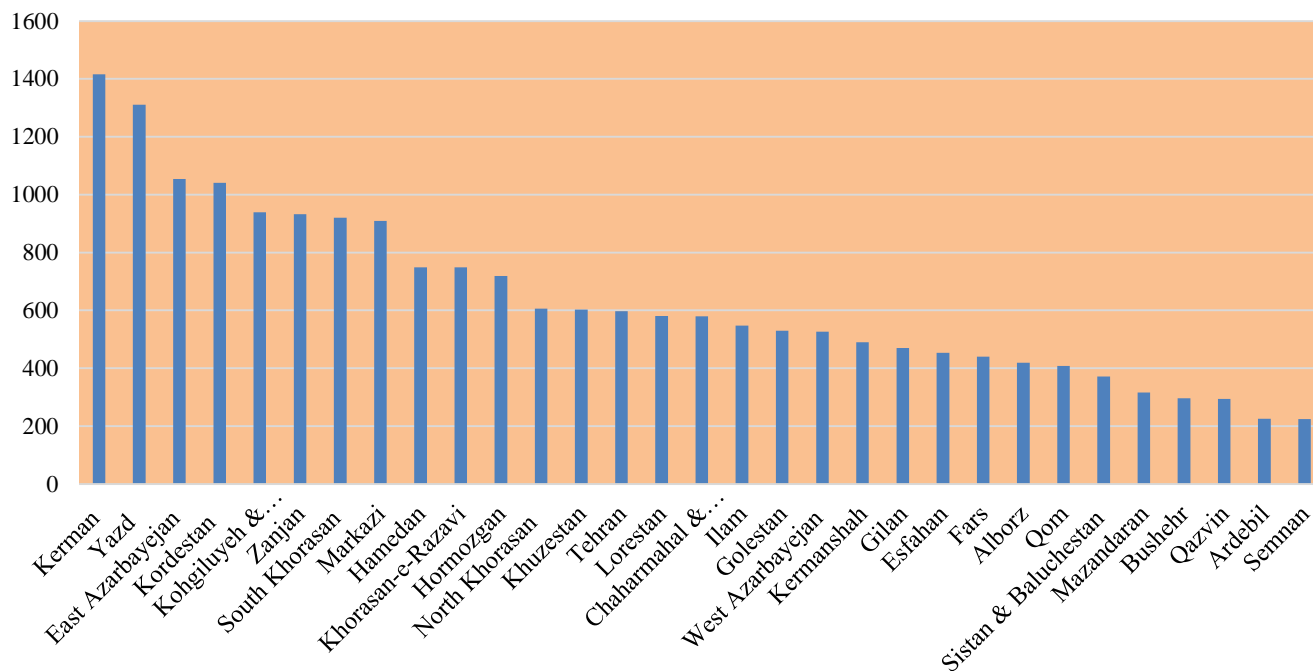
6.6. VALUE ADDED, INPUTS AND OUTPUTS VALUE OF OPERATING MINES BY TYPE OF ACTIVITY, THE YEAR 1394
(mln rials)

Activity	Value added	Payments (inputs)	Receipts (outputs)
Total.....	84071447	36328753	120400200
Mining of hard coal	4917309	696123	5613432
Mining of iron ore	34569405	18215962	52785367
Mining of lead and zinc	2051958	1901936	3953894
Mining of gold ore	401314	189265	590578
Mining of copper ore	19353501	6771782	26125283
Mining of chromites	1261592	178221	1439813
Mining of manganese	146910	51420	198330
Mining of bauxite	425322	159519	584841
Mining of cobalt, antimony and titanium	300560	12721	313280
Mining of gravel and sand	3972970	1581535	5554505
Mining of decorative stones	5793354	2038816	7832170
Mining of rubble stone	1523308	635133	2158441
Mining of ballast	25531	8754	34285
Mining of lime stone	5033798	2532369	7566167
Mining of gypsum	742044	330181	1072225
Mining of kaolin and fireclay	472814	334433	807247
Mining of dolomite	53480	22591	76071
Mining of bentonite and fuller's earth	56144	24115	80259
Mining of magnesite and whiting	0	0	0
Mining of barite, limonite and ferrous oxide	316175	89570	405745
Mining of strontium sulphate.....	22141	6541	28682
Mining of sodium sulphate	336993	36592	373584
Mining of fluorine	276978	13202	290180
Mining of orpiment, phosphate & iodine	1001366	92604	1093971
Mining of peat	0	0	0
Mining of salt	245999	87844	333843
Mining of bitumen	10181	4645	14826
Mining of silica	283317	133332	416649
Mining of ores slag	152415	84405	236820
Mining of feldspar	96602	37647	134249
Mining of talcum	29015	8021	37036
Mining of shell & mica	60770	8115	68885
Mining of magnesite.....	84797	35089	119887
Mining of Other precious and semi-precious stones.....	53386	6269	59655

Source: Statistical Centre of Iran.

6.2. PRODUCTIVITY OF LABOUR FORCE IN MINING SECTOR BY OSTAN, THE YEAR 1394

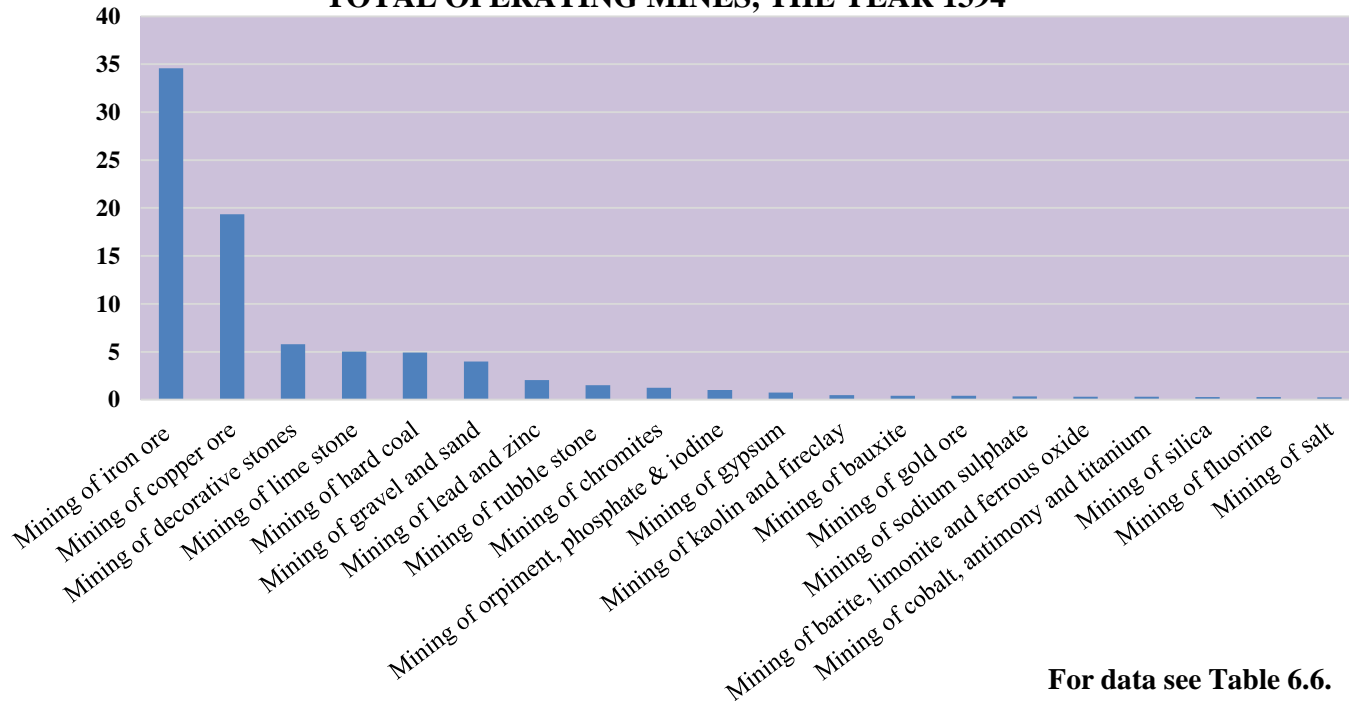
Mln. rials



For data see Tables 6.1. & 6.5.

6.3. RATIO OF VALUE ADDED OF SELECTED MINES TO THE TOTAL OPERATING MINES, THE YEAR 1394

Percent



For data see Table 6.6.

6.7. INVESTMENT (CHANGES IN THE VALUE OF CAPITAL PROPERTIES) IN OPERATING MINES BY TYPE OF CAPITAL PROPERTIES AND OSTAN

(mln rials)

Year and Ostan	Total ⁽¹⁾ investment	Machinery and stable equipment and administrative facilities	Vehicles	Building and equipment (without land)	Access road	Exploration and development	Computer software	Other
1375.....	294962	190265	17435	35261	9849	5755	-	36397
1380.....	667897	537418	40533	47788	26187	10327	1204	4439
1385.....	1737226	1328153	87357	⁽¹⁾ 99032	42720	174966	-620	5618
1390.....	6149346	2957585	251308	411553	124038	246425	3112	2155326
1391.....	8606538	6115720	473711	1528769	112297	316678	20128	39235
1392.....	12980023	10320746	31808	1247367	283592	374570	24809	697131
1393.....	19872751	10241005	345517	1092013	213925	760531	7477	7212285
1394.....	29420549	16661997	1194231	2659318	439458	8357900	4242	103403
East Azarbayejan.....	3541307	3165272	5449	305957	44180	20000	57	392
West Azarbayejan	308780	274430	7081	10288	15887	0	11	1082
Ardebil	10555	8431	751	163	912	0	17	280
Esfahan.....	701981	590841	28879	33809	18646	26824	273	2709
Alborz	90712	78314	2091	2207	1000	0	151	6949
Ilam	29150	18924	8685	532	1008	0	1	0
Bushehr	41783	37641	1030	336	2619	0	126	31
Tehran	56820	38856	1843	7369	1399	7292	61	0
Chaharmahal&Bakhtiyari	32217	27632	1214	250	1321	1800	0	0
South Khorasan	289955	171689	10491	13341	828	90563	60	2983
Khorasan-e-Razavi.....	3417004	330534	16656	205082	3839	2859883	142	867
North Khorasan	58588	49432	3109	4157	1503	341	46	0
Khuzestan	164834	127464	24063	12360	946	0	0	0
Zanjan	342484	152613	3020	16240	152956	8347	255	9054
Semnan	60920	44940	5132	4810	4312	1692	34	0
Sistan&Baluchestan	95985	50886	24112	4515	10182	4900	0	1390
Fars	411581	334556	29669	24964	21559	833	0	0
Qazvin	61793	41496	3353	3611	11334	1783	149	66
Qom	24249	24171	0	51	0	0	0	27
Kordestan	117997	89535	777	16434	2559	8685	5	2
Kerman	17168465	9390961	827675	1579308	69561	5260457	2047	38456
Kermanshah	47274	40711	1546	1700	2620	687	10	0
Kohgiluyeh&Boyerahmad	34566	27652	6452	430	32	0	0	0
Golestan	60156	51610	-2857	-3611	0	14462	105	448
Gilan	45262	43569	1497	0	0	0	196	0
Lorestan	88860	88556	39	265	0	0	0	0
Mazandaran	168278	122389	14898	12031	7304	11656	0	0
Markazi	314302	268076	8131	19425	9124	9381	126	38
Hormozgan	144159	102521	8950	4835	17865	9771	199	18
Hamedan	74372	60758	4249	1921	2322	3884	38	1200
Yazd	1416162	807535	146248	376537	33640	14657	134	37412

1. Difference in the total is due to rounded numbers.

Source: Statistical Centre of Iran.

6.8. INVESTMENT (CHANGES IN THE VALUE OF CAPITAL PROPERTIES) IN OPERATING MINES BY TYPE OF CAPITAL PROPERTIES AND TYPE OF ACTIVITY, THE YEAR 1394 (mln rials)

Activity	Total investment	Machinery and stable equipment and administrative facilities	Vehicles	Building and installation (without land)
Total.....	29420549	16661997	1194231	2659318
Mining of hard coal	225108	73936	5552	8951
Mining of iron ore	16191453	7810244	188622	1922301
Mining of lead and zinc	288867	208446	8278	36348
Mining of gold ore	76735	54307	5513	7369
Mining of copper ore.....	9071389	5685762	771525	537327
Mining of chromite	38985	27180	2651	4195
Mining of manganese.....	3465	1983	1308	25
Mining of bauxite	14111	12325	917	809
Mining of cobalt, antimony and titanium.....	2183	1670	113	0
Mining of gravel and sand....	547376	436980	69216	20267
Mining of decorative stones ..	1044452	938854	23402	29648
Mining of rubble stone.....	286126	245074	12660	9878
Mining of ballast	5915	5487	140	118
Mining of lime stone.....	1071956	751065	59283	60677
Mining of gypsum	79728	60208	5990	5868
Mining of kaolin and fireclay.. ..	112651	79819	25538	1986
Mining of dolomite	6309	5048	426	157
Mining of bentonite and fuller's earth	6638	2773	463	539
Mining of whiting	0	0	0	0
Mining of barite, limonite and ferrous oxide	67866	54084	4193	1178
Mining of strontium sulphate.. ..	2209	1394	175	62
Mining of sodium sulphate..	1111	946	81	35
Mining of fluorine	4183	3727	144	191
Mining of orpiment phosphate & iodine	60737	38615	615	7040
Mining of peat.....	0	0	0	0
Mining of salt	60354	38263	1858	822
Mining of bitumen	769	578	0	0
Mining of silica	72376	59510	2483	1178
Mining of ores slag	36748	31206	2247	1794
Mining of feldspar	17486	11426	761	298
Mining of talcum	4835	3370	60	110
Mining of shell & mica.....	7880	7845	0	0
Mining of magnesite	8281	7757	17	150
Other precious and semi-precious stones.....	2267	2117	0	0

6.8. INVESTMENT (CHANGES IN THE VALUE OF CAPITAL PROPERTIES) IN OPERATING MINES BY TYPE OF CAPITAL PROPERTIES AND TYPE OF ACTIVITY, THE YEAR 1394 (continued)

(mln rials)

Activity	Access road	Exploration and development	Computer software	Other
Total.....	439458	8357900	4242	103403
Mining of hard coal	2574	131199	171	2726
Mining of iron ore	94967	6105920	2054	67345
Mining of lead and zinc	5082	14949	319	15446
Mining of gold ore	9	8739	0	800
Mining of copper ore	45318	2031389	68	0
Mining of chromite	2457	2430	71	0
Mining of manganese.....	132	0	0	17
Mining of bauxite	35	0	25	0
Mining of cobalt, antimony and titanium.....	0	0	0	400
Mining of gravel and sand ...	9975	518	675	9745
Mining of decorative stones..	36022	14163	176	2189
Mining of rubble stone.....	13262	4733	26	493
Mining of ballast	170	0	0	0
Mining of lime stone.....	189896	8933	228	1874
Mining of gypsum	6511	796	107	249
Mining of kaolin and fireclay	2588	2414	194	112
Mining of dolomite	648	30	0	0
Mining of bentonite and fuller's earth	424	2160	0	279
Mining of whiting	0	0	0	0
Mining of barite, limonite and ferrous oxide	2515	5850	1	47
Mining of strontium sulphate	442	30	5	101
Mining of sodium sulphate ..	30	20	0	0
Mining of fluorine	97	25	0	0
Mining of orpiment phosphate & iodine	0	14462	5	0
Mining of peat.....	0	0	0	0
Mining of salt	15297	4059	52	2
Mining of bitumen	191	0	0	0
Mining of silica	8216	821	13	155
Mining of ores slag	900	548	52	0
Mining of feldspar	1246	3713	1	42
Mining of talcum	95	0	0	1200
Mining of shell & mica.....	35	0	0	0
Mining of magnesite	325	0	0	32
Other precious and semi-precious stones.....	0	0	0	150

Source: Statistical Centre of Iran.

6.9. GENERAL CHARACTERISTICS OF MINES COOPERATIVES AT THE END OF THE YEAR

Description	Number	Members	Workers	Capital (mln rials)
<i>Registered cooperatives⁽¹⁾</i>				
1380.....	1691	21373	12146	106325
1385.....	2303	32970	19000	206103
1390.....	2413	35997	21180	185112
1391.....	2534	70359	22337	224856
1392.....	2666	78958	25189	273966
1393.....	2701	79202	25910	1507179
1394.....	2750	80001	26543	1543797
1395.....	2807	74112	26838	710217
<i>Cooperatives under establishment</i>				
1380.....	56	972	342	3502
1385.....	137	2277	1251	20253
1390.....	252	5359	3514	9087
1391.....	332	6240	4277	9087
1392.....	301	5169	5321	16018
1393.....	274	5054	5372	986814
1394.....	263	2793	4928	72092
1395.....	270	2870	4868	82033
<i>Cooperatives in operation</i>				
1380.....	841	12029	7555	77835
1385.....	966	16074	9045	112456
1390.....	896	46355	8961	118580
1391.....	876	46459	8811	144001
1392.....	940	55064	9990	176791
1393.....	944	54987	10158	1326258
1394.....	956	57566	10894	1395813
1395.....	950	51133	10507	555342

6.9. GENERAL CHARACTERISTICS OF MINES COOPERATIVES AT THE END OF THE YEAR (continued)

Description	Number	Members	Workers	Capital (mln rials)
East Azarbayejan	37	471	441	3534
West Azarbayejan	15	139	154	9413
Ardebil	7	69	69	542
Esfahan	44	367	394	32147
Alborz	6	57	74	47
Ilam	3	28	11	1902
Bushehr	30	223	304	8407
Tehran	64	1345	931	56049
Chaharmahal&Bakhtiyari	6	42	46	129
South Khorasan	18	617	368	2015
Khorasan-e-Razavi	197	3753	2171	173211
North Khorasan	7	203	79	68
Khuzestan	15	123	107	204
Zanjan	12	348	209	113771
Semnan	36	376	471	17260
Sistan&Bluchestan	6	55	38	1887
Fars	39	36246	628	32341
Qazvin	8	65	82	9867
Qom	24	214	205	5623
Kordestan	19	2736	448	1963
Kerman	61	531	469	5215
Kermanshah	19	133	158	182
Kohgiluyeh & Boyerahmad	5	42	43	349
Golestan	9	78	69	454
Gilan	15	110	140	767
Lorestan	110	1024	906	7356
Mazandaran	47	980	624	26168
Markazi	43	364	458	5892
Hormozgan	24	178	215	448
Hamedan	5	43	40	331
Yazd	19	173	155	37800

1. Including cooperatives in operation, out of operation and under establishment.

Source: Ministry of Cooperatives, Labor and Social Welfare.

