

Minerals and Petroleum

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Table 11.1: Value of Mineral* Production in Jammu & Kashmir (J&K)

Year	Value (in Rs. '000)
2005-06	250029
2006-07	318135
2007-08	569663
2008-09	2250056
2009-10	737537
2010-11	1477065
2011-12	1697170
2012-13 (P)	1691572

*excluding Atomic Minerals

Table 11.2: Value of Mineral Production by Mineral Groups

(in Rs. '000)

Year	2011-12	2012-13 (P)
Fuel Minerals	42500	40400
Metallic Minerals	-	-
Non-metallic Minerals	43014	39516
Minor Minerals	1611656	1611656

Table 11.3: Index of Mineral Production

(Base 2004-05=100)

Year	Index
2010-11	82.67
2011-12	92.49
2012-13 (P)	92.13

P- Provisional

Source (Tables 11.1-11.3): Indian Bureau of Mines, Ministry of Mines, Govt. of India.
(Indian Mineral Year Book, 2008, 2011, 2012, 2013)
<http://ibm.gov.in/index.php?c=pages&m=index&id=107&mid=18255>
(accessed on 17.11.2015)

Table 11.4: Value of Minor Minerals

(in Rs. '000)

Year	Minor Minerals
2004-05	284406
2005-06	174715
2006-07 (P)	231863
2007-08	380658
2008-09	459105
2009-10	649201
2010-11	1416231
2011-12 (P)	1611656

Table 11.5: Gross Domestic Product from Mining & Quarrying Sector at Current Prices

(in Rs. '000)

Year	Current Prices
2010-11	31631
2011-12	31342
2012-13 (P)	30216

Table 11.6: Reporting Mines*

Year	Number
2010-11	10
2011-12	10
2012-13 (P)	8

* excluding atomic minerals and minor minerals, P = Provisional

Source (Tables 11.4-11.6): Indian Bureau of Mines, Ministry of Mines, Govt. of India. Indian Mineral Year Book, 2008, 2011, 2012, 2013)

<http://ibm.gov.in/index.php?c=pages&m=index&id=107&mid=18255>
(accessed on 17.11.2015)

Table 11.7: Production of Coal

Year	Quantity (in '000 tonnes)	Value (in Rs. '000)
2010-11	24	22400
2011-12	20	42500
2012-13 (P)	19	40400

P: Provisional

Table 11.8: Number of Coal Mines

Year	Mines (in No.)
2011-12	7
2012-13 [#]	4

[#]relates to number of mines as on 31-03-2013.**Source** (Tables 11.7&11.8): Indian Bureau of Mines, Ministry of Mines, Govt. of India.
(Indian Mineral Year Book, 2008, 2011, 2012, 2013)<http://ibm.gov.in/index.php?c=pages&m=index&id=107&mid=18255>
(accessed on 17.11.2015)**Table 11.9:** Production of Raw Coal

Year	Production (Non-coking) (in MT)	Value (Million Rupees)
2009-10	0.023	18.6
2010-11	0.024	22.4
2011-12	0.020	42.5
2012-13	0.019	40.4
2013-14	0.019	40.4

Source: Ministry of Coal, Govt. of India (Coal Directory of India, 2013-14)<http://www.coal.nic.in/content/coal-directory-india> (accessed on 22.11.2015)

Table 11.10: Share of Raw Coal Dispatches

Year	Quantity (in MT)	Share (%)	Growth (%)
2007-08	0.016	0.00	14.29
2008-09	0.012	0.00	-25.00
2009-10	0.017	0.00	41.67
2010-11	0.025	0.00	47.06
2011-12	0.023	0.00	-8.00
2012-13	0.014	1.00	-39.13
2013-14	0.013	2.00	-7.14

Table 11.11: Share of Raw Coal Pit-Head Closing Stock

Year	Quantity (in MT)	Share (%)	Growth (%)
2007-08	0.003	0.01	200.00
2008-09	0.002	0.00	-33.33
2009-10	0.008	0.01	300.00
2010-11	0.004	0.01	-50.00
2011-12	0.003	0.00	-25.00
2012-13	0.005	0.01	66.67
2013-14	0.013	0.02	160.00

Source (Table 11.10 & 11.11): Ministry of Coal, Govt. of India (Coal Directory of India, 2013-14)

<http://www.coal.nic.in/content/coal-directory-india> (accessed on 24 .11. 2015)

Table 11.12: Estimated Available Mineral Reserves with Occurrence and Uses

Minerals	Reserves	Occurrence	Uses
Limestone	5000 MT	All Districts except Jammu, Doda & Ponch	Manufacture of Cement, Calcium Carbine
Gypsum	152 MT	Baramula, Uri, Doda	Manufacture of Cement, Fertilizer, Paint, Rubber
Marble	405 M Cub Mt.	Kupwara	Decorative Building Stone
Granite	8355 sq. km (Aerial)	Kargil, Leh	Decorative Building Stone
Bauxite	07 MT	Udhampur, Ponch	Manufacture of Aluminum
Coal	9.50 MT	Kalakot, Moghla, Udhampur, Rajouri	As Fuel
Magnesite	4 MT	Udhampur, Panthal, Reasi	Refractory Bricks for Furnaces
Slates	1.5 M Cub Mt.	Doda & Baramulla	Building Material
Sapphire	-	Doda, Paddar	Precious Stone
Quartzite	2 MT	Anantnag, Kupwara	Glass & IT Industries
Dolomite	4.37 MT	Udhampur, Kupwara	Refractory Material
Borex	0.742 MT	Udhampur, Rajouri	Borosil Glass, Enamels Ceramics, Silver
China Clay	28 MT	Pogo Valley Leh	Ceramics, Pottery, Paper
Bentonite Clay	0.122 MT	District Udhampur	Abrasive, Glass, Pottery, Moulding
Quartz & Silica Sand	3.1 MT	District Jammu	Drilling mud, Refining Oils, Fats
Diaspora	1188 Tones	Anantnag, Doda, Udhampur	High Alumina Refractory, Paints
Graphite	62 MT	Baramulla	Crucible Foundry, Refractory, Paints

Source: Industry of Commerce Department, Govt. of Jammu & Kashmir
<http://jkindustriescommerce.nic.in/gm.html> (accessed on 23.11.2015)

Table.11.13: Employment and Value of Production of Major Minerals

Year	Quantity (000 MT)	Value (Rs.in Lakhs)	Employment (in No.)
1973-74	25.60	53.03	976
1978-79	59.27	66.31	1294
1980-81	59.92	132.68	1617
1985-86	63.14	205.71*	2900
1986-87	39.41	175.72*	2392
1989-90	47.77	228.27	1458
1990-91	98.00	812.00	1760
1995-96	34.80	908.60	1720
1996-97	35.02	115.99	1724
1998-99	32.30	891.51	1445
1999-00	53.07	1115.60	1439
2000-01	59.00	1544.03	1511
2001-02	70.09	1487.39	1511
2002-03	57.83	900.48	1331
2003-04	53.26	783.75	1270
2004-05	65.51	1003.16	1597
2005-06	56.70	987.85	1542
2006-07	48.00	719.24	1492
2007-08	54.00	643.42	1452
2008-09	39.06	771.53	1131
2009-10	60.57	1106.26	1130
2010-11	61.61	1512.56	1003
2011-12	48.49	1166.05	891
2012-13	65.35	1517.04	778

*includes casual workers

Source: Directorate of Economic & Statistics, Govt. of Jammu & Kashmir (Digest of Statistics, 2012-13)

<http://ecostatjk.nic.in/publications/publications.htm> (accessed on 12.11.2015)

Table 11.14: Value of Minor Minerals Extracted

(Rs. in Lakh)

Year	Jammu	Kashmir	Total
1975-76	20.06	173.35	193.41
1976-77	26.71	154.29	181.03
1978-79	60.71	176.36	237.07
1980-81	64.40	283.33	347.73
1985-86	27.00	205.10	232.10
1986-87	16.22	149.55	465.77
1987-88	56.80	550.00	606.80
1988-89	652.17	325.18	977.35
1989-90	419.92	422.28	842.20
1990-91	415.55	75.25	490.80
1995-96	1000.41	1262.40	2262.81
1996-97	1265.57	1354.51	2620.08
1998-99	1342.81	1140.12	2482.93
1999-00	1253.98	1530.43	2784.41
2000-01	670.12	857.21	1527.33
2001-02	693.58	864.76	1558.34
2002-03	808.5	906.19	1714.69
2004-05	929.91	1160.45	2090.36
2005-06	1835.73	1851.38	3687.11
2006-07	2480.68	2318.24	4798.92
2007-08	3806.30	1985.15	5791.45
2008-09	1766.46	3188.83	4955.29
2009-10	3373.11	3836.07	7209.07
2010-11	9306.96	11606.21	20913.17
2011-12	12696.00	13313.00	26009.00
2012-13	15663.32	44421.45	60084.77

Source: Directorate of Economic & Statistics, Govt. of Jammu & Kashmir (Digest of Statistics, 2012-13)
<http://ecostatjk.nic.in/publications/publications.htm> (accessed on 12.11.2015)

Table 11.15: Geology and Mining Activities

Year	Drilling (000 Mts)	Exploratory Mining (000 Mts)	Geological Mapping (detailed) (Million sq. mts.)	Geological Mapping (Reconnaissance) sq. km)	Samples		Royalty Released (Rs. in Lakhs)
					Collected (000 Nos.)	Analyzed (000 Nos.)	
1969-70	4.60	1.30	4.80	NA	260	1.00	NA
1973-74	2.00	1.10	5.90	982.00	4.00	0.40	2,60
1975-76	1.70	NA	2.11	225.00	3.20	0.60	NA
1977-78	3.80	0.20	4.78	1734.00	2.70	1.70	8.20
1978-79	5.30	0.04	4.25	1384.00	3.30	1.40	11.90
1979-80	7.40	0.01	.03	1353.00	3.30	1.00	13.30
1980-81	5.92	0.36	3.78	1995.00	4.32	0.50	14.60
1984-85	5.30	0.10	3.38	1022.00	2.59	0.44	19.62
1985-86	5.50	0.36	3.38	2771.00	3.14	0.46	20.10
1986-87	4.23	0.20	2.17	653.37	3.15	0.40	20.36
1987-88	10.20	0.12	2.47	1995.00	2.76	0.53	27.61
1988-89	9.89	0.12	3.13	3091.50	3.09	0.54	49.64
1989-90	10.17	0.14	3.49	3152.30	3.32	0.60	63.73
1990-91	5.23	0.12	1.68	1049.00	0.78	NA	16.83
1995-96	1.45	0.08	1.81	2093.50	0.50	NA	1.80
1996-97	0.79	0.17	2.44	803.00	0.63	NA	64.56
1998-99	0.59	-	2.81	1762.50	0.69	NA	85.25
2000-01	0.61	-	0.96	776.00	0.32	0.30	296.01
2001-02	0.68	-	0.79	985.00	0.40	-	328.18
2002-03	1.46	-	0.82	197.50	1.04	0.36	304.51
2003-04	1.54	0.15	0.40	10.00	0.48	0.18	266.28
2004-05	1.86	-	0.75	122.10	1.06	0.36	534.15
2005-06	1.23	-	0.33	366.00	0.88	0.28	822.62
2006-07	2.43	-	0.67	25.00	0.43	0.58	1003.54
2007-08	0.85	-	0.40	194.00	0.62	0.64	1631.63
2008-09	0.83	-	0.57	129.00	0.65	0.65	1245.94
2009-10	0.88	0.05	1.15	65.00	0.56	0.58	2530.86
2010-11	0.78	0.13	12.75	248.25	1.11	0.31	3419.37
2011-12	1.19	-	9.55	297.50	0.76	0.52	4079.00
2012-13	2.28	-	11.00	340.00	0.94	0.74	5276.00

NA-Not Available

Source: Directorate of Economic & Statistics, Govt. of Jammu & Kashmir (Digest of Statistics, 2012-13)<http://ecostatjk.nic.in/publications/publications.htm> (accessed on 02.11.2015)

Table 11.16: Royalty on Minerals

Year	Revenue Collected (Rs. in Crore)
2010-11	34.19
2011-12	40.79
2012-13	52.76
2013-14	27.05
2014-15*	30.07

*as on November, 2014.

Source: Directorate of Economics & Statistics, J&K (Economic Survey 2014-15 Vol.-I)

<http://www.ecostatjk.nic.in/ecosurvey/EcoSurvey201415vol1.pdf>