

**GOVERNMENT OF INDIA
MINISTRY OF MINES**

**LOK SABHA
UNSTARRED QUESTION NO.2400
TO BE ANSWERED ON THE 14TH DECEMBER, 2015**

PROMOTION OF MINING SECTOR

- 2400. SHRI RABINDRA KUMAR JENA:
SHRI ASHWINI KUMAR CHOUBEY:
SHRIMATI KAVITHA KALVAKUNTLA:
SHRIMATI JAYSHREEBE PATEL:
DR. SHRIKANT EKNATH SHINDE:
SHRI RAHUL SHEWALE:
SHRI VINAYAK BHAURAO RAUT:**

Will the Minister of **MINES** be pleased to state:

- (a) the details of explorations made for various mineral reserves and production thereof in the country during each of the last three years and the current year, mineral and State-wise;
- (b) whether the Government proposes to revise the Mineral Exploration Policy in the country and if so, the details thereof;
- (c) whether the Government also proposes to allow private players both from domestic and international mining arena to actively participate in mineral explorations in the country;
- (d) if so, the details thereof, company-wise; and
- (e) the other steps taken to be taken by the Government for promotion of mining sector?

A N S W E R

**MINISTER OF STATE FOR MINES AND STEEL
(SHRI VISHNU DEO SAI)**

(a): The Geological Survey of India (GSI), an attached office of the Ministry of Mines, carries out regional and detailed mineral exploration programs for both energy and non-energy mineral categories, for establishing mineral resources in the country. Details of the programmes, state-wise and mineral-wise, taken up by GSI during the last three years (Field Seasons 2012-13, 2013-14 & 2014-15) and current year (Field Season 2015-16) are given in Annex-I.

Mineral Exploration Corporation Limited (MECL), a PSU under the Ministry of Mines carries out detailed mineral exploration under a promotional scheme on behalf of the Ministry. The various exploration programs taken up during 2012-13, 2013-14, 2014-15 and the current year are given in Annex-II.

The state-wise and mineral-wise mineral production for the years 2012-13, 2013-14 and 2014-15 (P), as per the information available with the Indian Bureau of Mines, is given in Annex-III.

(b): A National Mineral Exploration Policy [NMEP] is being drafted which would address important issues like: baseline geoscientific data generation and dissemination; prioritization of mineral commodities for regional and detailed exploration; institution to be set up for research in mineral deposit targeting through public and private collaboration; beneficiation of low grade ores for utilization and strategic requirements; incentivizing private sector participation in the given legal framework.

(c) & (d): FDI up to 100% is allowed in exploration, mining, minerals processing and metallurgy under the automatic route for all non-fuel and non-atomic minerals including diamonds and precious stones.

(e): The Mines and Minerals (Development and Regulation) (MMDR) Act 1957, was amended through the MMDR Amendment Ordinance, 2015, which was promulgated on the 12th January, 2015. The MMDR Amendment Act, 2015 to replace the MMDR Amendment Ordinance, 2015 was passed by the Parliament and has come into force with effect from 12th January, 2015.

The most important provision of the MMDR Amendment Act, 2015 is the grant of mineral concessions, for major minerals including iron ore, through auction by competitive bidding which is a transparent and non-discriminatory method and which will also obtain for the State Government its fair share of value of the mineral resources.

The other important provisions of the MMDR Amendment Act, 2015 are:

- (i) Transition provisions for extension of existing leases to obviate disruptions in supply of ore and to ensure regular supply of raw material to the industry;
- (ii) Establishment of District Mineral Foundation for the interest and benefit of persons, and areas affected by mining related operations;
- (iii) Assured tenure and easy transferability of mineral concessions granted through auction;
- (iv) Establishment of National Mineral Exploration Trust for regional and detailed exploration; and
- (v) Stricter penalty provisions to deter illegal mining.

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Details of the programmes, State-wise and mineral-wise, taken up by GSI during the last three years (Field Season. 2012-13, 2013-14 & 2014-15) and current year (Field Season. 2015-16)

	State	2012-13	2013-14	2014-15	2015-16
1.	Andaman & Nicobar	-	Nickel, Chromite, PGE, Coal, Lignite	PGE, Coal	
2.	Andhra Pradesh	Gold, Diamond, PGE, REE, Basemetal, Chromite, Limestone, Phosphorite, Coal	Gold, Diamond, Chromite, REE, PGE, Limestone, Phosphate, Coal	Gold, Diamond, Chromite, Basemetal, Iron, Tungsten, REE, Coal	Gold, Diamond, Basemetal, Tungsten, Graphite, REE, Coal
3.	Arunachal Pradesh	Basemetal, Gold, PGE	Limestone, PGE, Gold	Limestone, Iron-ore, Basemetal, Gold, Graphite	Gold, Iron-ore, Graphite
4.	Assam	Coal	REE	Tungsten, Tin, REE, Lithium, Coal	Tungsten, Tin, REE, Lead, Zinc, Coal
5.	Bihar	Gold	Gold	Gold, REE, Coal	REE, Glauconite, Coal
6.	Chhattisgarh	PGE, Nickel, Iron-ore, Kimberlite, Coal	Diamond, Iron-ore, Coal	Bauxite, Diamond, REE, Gypsum, Kimberlite, Coal	Iron, Diamond, Bauxite, REE, Gypsum, Limestone, Coal
7.	Gujarat	Heavy Mineral, Titanium, Wollastonite	Magnesite, PGE, REE, Wollastonite, Lignite	Potash	REE&RM, Limestone
8.	Haryana	Basemetal	Basemetal	Iron, Basemetal	REE, Tin, Tungsten, Basemetal, Basemetal
9.	Himachal Pradesh	Limestone, Dolomite		Basemetal	Sandstone, Limestone
10.	Jammu Kashmir	Lead, Zinc, Quartzite	Dimensional, Limestone	Limestone, Quartzite	Building Stone, Limestone
11.	Jharkhand	Gold, Iron-ore, REE, PGE	Gold, REE, Apatite, Iron-ore, Titanium, Vanadium	Gold, Diamond, REE, Titanium, Vanadium	Diamond, Gold, REE, Titanium, Vanadium, Gallium, REE, Coal
12.	Karnataka	Gold, Diamond, Manganese, Baryte, Bentonite	Diamond, Gold, PGE, Manganese, REE	Diamond, Gold, PGE, REE, Iron	Diamond, Iron, Gold, , Basemetal, REE
13.	Kerala	Basemetal, PGE	PGE, Gold	Gold, PGE	PGE
14.	Madhya Pradesh	Graphite, Phosphorite, Platinum Group of Elements [PGE], Gold, Coal	Graphite, Gold, Rare Earth Elements [REE], Coal	Gold, Basemetal, Glauconite, Coal	PGE, Gold, Basemetal, Graphite, Glauconite, Pyrophyllite, Iron-ore, Coal

15.	Maharashtra	Molybdenite, Kimberlite, Gold, Rare Metals, [RM] & REE, PGE, Nickel, Chromite, Gold, Coal	Tungsten, Manganese, Basemetal, Gold, RM&REE, Nickel, Chromite, Cobalt, Silver, Coal, PGE	Basemetal, Gold, REE, Tungsten, PGE	Gold, PGE, Zinc, Basemetal, RM&REE, Tungsten, RM&REE
16.	Manipur		PGE	Chromite	Chromite
17.	Meghalaya	Limestone, Sillimanite, Titanium, Vanadium, REE, Coal, Magnetite	Titanium, Vanadium, Magnetite, Limestone, REE, Coal	Bauxite, Limestone, Coal	Titanium, Vanadium, REE, Bauxite, Limestone
18.	Nagaland	PGE, Chromite	PGE,		Chromite, Basemetal
19.	Odisha	Iron-ore, Manganese, Gold, PGE, Coal	Chromite, Manganese, Gold, Iron-ore, Coal	Chromite, Gold, Iron-ore, Manganese, PGE, Coal	Iron-ore, Manganese, PGE, REE, Coal
20.	Punjab		Limestone		
21.	Rajasthan	Iron, Gold, Basemetal, Limestone, Phosphate, China Clay, Lignite	Iron, Gold, REE, Basemetal, Limestone, Phosphorite,	Gold, Basemetal, REE&RM, Limestone, Lignite	Gold, Basemetal, REE& RM, Nickel, PGE, Cobalt, Basemetal, Limestone, Gluconite, Phosphorite, Lignite
22.	Sikkim	Basemetal, Gold	Basemetal	Dolomite, Sillimanite	Basemetal, Gold
23.	Tamil Nadu	PGE, Molybdenum, Lignite	PGE, REE, Lignite	PGE, REE, Graphite, Dunite,Lignite	PGE, Dunite, Graphite, Lignite
24.	Telangana				Diamond, Iron, Coal
25.	Uttar Pradesh	Gold, Tungsten,	Gold, Andalusite, Potash, Pyrophyllite, Iron	Iron, Potash, Andalusite, Pyrophyllite	Gold, Tungsten, REE, Andalusite, Gypsum, Gluconite
26.	Uttarakhand	Gold, Basemetal		Clay	Tungsten, REE
27.	West Bengal	RM&REE, Coal	Nickel, Chromite, PGE, Coal, Lignite	PGE, Coal	Coal

Exploration programs taken up by Mineral Exploration Corporation Limited during 2012-13, 2013-14, 2014-15 and the current year

	State	2012-13	2013-14	2014-15	2015-16
1.	Arunachal Pradesh	Dolomite			
2.	Jharkhand	Gold	Gold	Gold	Gold
3.	Karnataka	Gold	Gold	Gold	Gold
4.	Madhya Pradesh			Basemetal	Basemetal
5.	Maharashtra			Tungsten, Basemetal	Tungsten, Basemetal
6.	Meghalaya	Limestone	Limestone	Limestone	Limestone
7.	Nagaland	Limestone	Limestone	Limestone	
8.	Odisha	Manganese			
9.	Rajasthan	Basemetal	Basemetal	Basemetal	
10.	Tamil Nadu				Molybdenum

State / Mineral-Wise Production of Minerals

State	Minerals	unit	2012-13	2013-14	2014-15 (P)
			Qty	Qty	Qty
India	Bauxite	t	16611610	22319148	22226062
Chhattisgarh	Bauxite	t	1818169	1314129	1565562
Goa	Bauxite	t	104200	220400	235000
Gujarat	Bauxite	t	3429903	7309743	5507566
Jharkhand	Bauxite	t	1977575	2282428	2040519
Karnataka	Bauxite	t	81200	74500	127500
Madhya Pradesh	Bauxite	t	1016756	775508	807697
Maharashtra	Bauxite	t	2628328	2606349	2630715
Odisha	Bauxite	t	5460037	7635196	9233131
Tamil Nadu	Bauxite	t	95442	100895	78372
India	Chromite	t	2833895	2878320	2163942
Karnataka	Chromite	t	6828	1003	2474
Maharashtra	Chromite	t	0	19	0
Odisha	Chromite	t	2827067	2877298	2161468
India	Copper Ore	t	3635751	3777772	3586028
Jharkhand	Copper Ore	t	398537	398537	180496
Madhya Pradesh	Copper Ore	t	2254288	2376183	2458132
Rajasthan	Copper Ore	t	982926	1003052	947400
India	Copper Conc.	t	123654	139307	107541
Jharkhand	Copper Conc.	t	12769	13742	5902
Madhya Pradesh	Copper Conc.	t	67640	79909	57489
Rajasthan	Copper Conc.	t	43245	45656	44150
India	Gold Ore	t	502831	420429	448671
Jharkhand	Gold Ore	t	3770	7552	4232
Karnataka	Gold Ore	t	499061	412877	444439
India	Gold (Total)	kg	1588	1564	1440
Jharkhand	Gold (Total)	kg	5	8	11
Karnataka	Gold (Total)	kg	1583	1556	1429
India	Gold (Primary)	kg	1588	1564	1440
Jharkhand	Gold (Primary)	kg	5	8	11
Karnataka	Gold (Primary)	kg	1583	1556	1429
India	Gold (By-Product)	kg	0	0	0
Jharkhand	Gold (By-Product)	kg	0	0	0
India	Iron Ore (Total)	'000t	136618	152183	128909
Andhra Pradesh	Iron Ore (Total)	'000t	1176	709	908
Chhattisgarh	Iron Ore (Total)	'000t	27963	29250	29418
Goa	Iron Ore (Total)	'000t	10897	0	0
Jharkhand	Iron Ore (Total)	'000t	17986	22624	19173
Karnataka	Iron Ore (Total)	'000t	11504	18684	20157
Madhya Pradesh	Iron Ore (Total)	'000t	1225	2090	4019
Maharashtra	Iron Ore (Total)	'000t	1193	1888	2050
Odisha	Iron Ore (Total)	'000t	64439	76188	52026
Rajasthan	Iron Ore (Total)	'000t	235	708	1121
Telangana	Iron Ore (Total)	'000t		42	37
India	Lead & Zinc Ore	t	8633411	9281807	9346349
Rajasthan	Lead & Zinc Ore	t	8633411	9281807	9346349
India	Lead Conc.	t	184486	194426	197668
Rajasthan	Lead Conc.	t	184486	194426	197668
India	Zinc Conc.	t	1492781	1490662	1501586
Rajasthan	Zinc Conc.	t	1492781	1490662	1501586
India	Manganese Ore	t	2342169	2626291	2345361
Andhra Pradesh	Manganese Ore	t	367445	334265	253675
Goa	Manganese Ore	t	50	0	0

Gujarat	Manganese Ore	t	0	0	0
Jharkhand	Manganese Ore	t	4266	4779	4449
Karnataka	Manganese Ore	t	39540	144528	194123
Madhya Pradesh	Manganese Ore	t	714730	796496	883784
Maharashtra	Manganese Ore	t	683185	666191	669813
Odisha	Manganese Ore	t	527966	663710	326117
Rajasthan	Manganese Ore	t	4987	5401	5965
Telangana	Manganese Ore	t		10921	7435
India	Silver	kg	374046	349774	327647
Karnataka	Silver	kg	145	154	139
Rajasthan	Silver	kg	373901	349620	327508
India	Tin Conc.	kg	47774	34862	24689
Chhattisgarh	Tin Conc.	kg	47774	34862	24689
India	Agate(Mm)	t	493	100	0
Gujarat	Agate(Mm)	t	493	100	0
India	Apatite	t	572	1300	930
Andhra Pradesh	Apatite	t	572	1300	930
West Bengal	Apatite	t	0	0	0
India	Phosphorite	t	1941158	1453580	1579561
Madhya Pradesh	Phosphorite	t	248352	131465	77565
Rajasthan	Phosphorite	t	1692806	1322115	1501996
India	Asbestos	t	389	172	0
Andhra Pradesh	Asbestos	t	389	172	0
India	Ball Clay(Mm)	t	1750559	2130995	1910060
Andhra Pradesh	Ball Clay(Mm)	t	184345	143430	148774
Gujarat	Ball Clay(Mm)	t	10900	8600	0
Rajasthan	Ball Clay(Mm)	t	1541981	1974501	1760526
Tamil Nadu	Ball Clay(Mm)	t	13333	4464	760
India	Barytes(Mm)	t	1789431	1170522	910963
Andhra Pradesh	Barytes(Mm)	t	1782079	1149081	886929
Rajasthan	Barytes(Mm)	t	7352	5560	3380
Telangana	Barytes(Mm)	t		15881	20654
India	Calcite(Mm)	t	74488	92122	91783
Andhra Pradesh	Calcite(Mm)	t	1790	1960	4100
Madhya Pradesh	Calcite(Mm)	t	0	226	22
Rajasthan	Calcite(Mm)	t	72698	89936	87661
India	Chalk(Mm)	t	175516	142696	94467
Gujarat	Chalk(Mm)	t	175516	142696	94467
India	Clay (Others)(Mm)	t	2680726	2506662	2248184
Andhra Pradesh	Clay (Others)(Mm)	t	158674	63622	50920
Chhattisgarh	Clay (Others)(Mm)	t	0	0	0
Gujarat	Clay (Others)(Mm)	t	1928419	1612566	1515449
Karnataka	Clay (Others)(Mm)	t	0	0	0
Kerala	Clay (Others)(Mm)	t	0	78703	141843
Madhya Pradesh	Clay (Others)(Mm)	t	436329	437150	365273
Rajasthan	Clay (Others)(Mm)	t	152534	241396	122784
Tamil Nadu	Clay (Others)(Mm)	t	4770	0	0
Telangana	Clay (Others)(Mm)	t		73225	51915
India	Corundum(Mm)	kg	5000	0	0
Karnataka	Corundum(Mm)	kg	5000	0	0
Maharashtra	Corundum(Mm)	kg	0	0	0
India	Diamond	crt	31988	37517	35724
Madhya Pradesh	Diamond	crt	31988	37517	35724
India	Diaspore(Mm)	t	16222	14599	12207
Madhya Pradesh	Diaspore(Mm)	t	7268	6479	4717
Uttar Pradesh	Diaspore(Mm)	t	8954	8120	7490
India	Dolomite(Mm)	t	7233958	7310599	6209476
Andhra Pradesh	Dolomite(Mm)	t	1547613	747409	698273
Chhattisgarh	Dolomite(Mm)	t	1970136	2637734	2437702

Gujarat	Dolomite(Mm)	t	499122	526355	388173
Jharkhand	Dolomite(Mm)	t	301185	267146	135319
Karnataka	Dolomite(Mm)	t	728186	642906	619367
Madhya Pradesh	Dolomite(Mm)	t	655858	595594	542637
Maharashtra	Dolomite(Mm)	t	314562	233384	102236
Odisha	Dolomite(Mm)	t	992470	687823	413891
Rajasthan	Dolomite(Mm)	t	224826	399084	381314
Telangana	Dolomite(Mm)	t		573152	485222
Uttarakhand	Dolomite(Mm)	t	0	12	5342
India	Dunite(Mm)	t	88274	64917	75050
Karnataka	Dunite(Mm)	t	8750	978	1123
Tamil Nadu	Dunite(Mm)	t	79524	63939	73927
India	Felspar(Mm)	t	1459008	1512982	1343366
Andhra Pradesh	Felspar(Mm)	t	504000	100276	100930
Jharkhand	Felspar(Mm)	t	6525	7462	3252
Rajasthan	Felspar(Mm)	t	892257	928320	767091
Tamil Nadu	Felspar(Mm)	t	42666	56061	51884
Telangana	Felspar(Mm)	t		401021	401072
West Bengal	Felspar(Mm)	t	13560	19842	19137
India	Fireclay(Mm)	t	999925	920809	712792
Andhra Pradesh	Fireclay(Mm)	t	49478	32061	27286
Chhattisgarh	Fireclay(Mm)	t	2570	0	0
Gujarat	Fireclay(Mm)	t	86316	154301	173357
Jharkhand	Fireclay(Mm)	t	111594	3655	0
Karnataka	Fireclay(Mm)	t	16307	13966	2965
Madhya Pradesh	Fireclay(Mm)	t	71226	74441	22642
Maharashtra	Fireclay(Mm)	t	7547	5076	3799
Rajasthan	Fireclay(Mm)	t	410331	359845	253166
Tamil Nadu	Fireclay(Mm)	t	145468	181362	169458
West Bengal	Fireclay(Mm)	t	99088	96102	60119
India	Felsite(Mm)	t	1266	551	324
Karnataka	Felsite(Mm)	t	1266	551	324
India	Flint Stone	t	633	459	294
Jharkhand	Flint Stone	t	633	459	294
India	Fluorite (Graded)	t	3092	2487	2947
Gujarat	Fluorite (Graded)	t	0	0	0
Maharashtra	Fluorite (Graded)	t	3092	2487	2947
Rajasthan	Fluorite (Graded)	t	0	0	0
India	Garnet (Abrasive)	t	768248	483559	78924
Andhra Pradesh	Garnet (Abrasive)	t	83683	108409	55803
Odisha	Garnet (Abrasive)	t	23898	19091	11999
Rajasthan	Garnet (Abrasive)	t	614	715	725
Tamil Nadu	Garnet (Abrasive)	t	660053	355344	10397
India	Garnet (Gem)	kg	0	0	0
Rajasthan	Garnet (Gem)	kg	0	0	0
India	Graphite (R.O.M.)	t	134735	146390	116512
Chhattisgarh	Graphite (R.O.M.)	t	0	1403	0
Jharkhand	Graphite (R.O.M.)	t	55855	43716	41423
Karnataka	Graphite (R.O.M.)	t	3241	2205	0
Kerala	Graphite (R.O.M.)	t		0	50
Odisha	Graphite (R.O.M.)	t	6530	10521	2083
Tamil Nadu	Graphite (R.O.M.)	t	69109	88545	72956
India	Gypsum(Mm)	t	3556723	3115363	2477849
Gujarat	Gypsum(Mm)	t	38	20	0
Jammu & Kashmir	Gypsum(Mm)	t	43432	32211	28694
Rajasthan	Gypsum(Mm)	t	3510063	3080992	2449155
Tamil Nadu	Gypsum(Mm)	t	3190	2140	0
India	Iolite	kg	0	0	0
Odisha	Iolite	kg	0	0	0

India	Jasper(Mm)	t	0	0	0
Rajasthan	Jasper(Mm)	t	0	0	0
India	Kaolin (Total)(Mm)	t	4258697	4853420	3861380
Andhra Pradesh	Kaolin (Total)(Mm)	t	53057	58516	45857
Gujarat	Kaolin (Total)(Mm)	t	2656099	3074737	2456977
Jharkhand	Kaolin (Total)(Mm)	t	66235	600	70623
Karnataka	Kaolin (Total)(Mm)	t	2836	2540	1984
Kerala	Kaolin (Total)(Mm)	t	708257	743138	561565
Madhya Pradesh	Kaolin (Total)(Mm)	t	11790	13000	10200
Rajasthan	Kaolin (Total)(Mm)	t	662362	870307	633175
West Bengal	Kaolin (Total)(Mm)	t	98061	90582	80999
India	Kyanite	t	1048	3679	6260
Jharkhand	Kyanite	t	1015	0	0
Karnataka	Kyanite	t		1416	4400
Maharashtra	Kyanite	t	33	2263	1860
India	Sillimanite	t	43736	67265	66025
Andhra Pradesh	Sillimanite	t	23896	43705	33801
Kerala	Sillimanite	t	4936	5109	7690
Maharashtra	Sillimanite	t	2590	6729	6223
Odisha	Sillimanite	t	12314	11722	18311
India	Laterite(Mm)	t	4121192	3475368	4650597
Andhra Pradesh	Laterite(Mm)	t	3227646	795729	1760358
Gujarat	Laterite(Mm)	t	117880	19050	61174
Jharkhand	Laterite(Mm)	t	0	0	0
Karnataka	Laterite(Mm)	t	163200	118500	121200
Kerala	Laterite(Mm)	t	97909	169672	148357
Madhya Pradesh	Laterite(Mm)	t	510557	606056	589835
Maharashtra	Laterite(Mm)	t	4000	53987	69000
Telangana	Laterite(Mm)	t		1712374	1900673
India	Limestone	'000t	285030	280863	292810
Andhra Pradesh	Limestone	'000t	63438	34331	35435
Assam	Limestone	'000t	384	203	665
Bihar	Limestone	'000t	588	549	473
Chhattisgarh	Limestone	'000t	20172	21217	23505
Gujarat	Limestone	'000t	26071	23373	25729
Himachal Pradesh	Limestone	'000t	13104	11935	12718
Jammu & Kashmir	Limestone	'000t	192	193	131
Jharkhand	Limestone	'000t	1861	1678	792
Karnataka	Limestone	'000t	21132	21590	24031
Kerala	Limestone	'000t	488	501	511
Madhya Pradesh	Limestone	'000t	35536	37832	38972
Maharashtra	Limestone	'000t	11924	10997	12086
Meghalaya	Limestone	'000t	4032	3616	3696
Odisha	Limestone	'000t	3912	3718	3409
Rajasthan	Limestone	'000t	52540	56754	61544
Tamil Nadu	Limestone	'000t	26442	24112	22205
Telangana	Limestone	'000t		25120	23956
Uttar Pradesh	Limestone	'000t	3214	3144	2952
India	Limekankar(Mm)	t	192426	140088	111382
Andhra Pradesh	Limekankar(Mm)	t	275	0	0
Tamil Nadu	Limekankar(Mm)	t	192151	140088	111382
India	Limeshell	t	24044	18750	16150
Karnataka	Limeshell	t	0	0	0
Kerala	Limeshell	t	23939	18690	16120
Tamil Nadu	Limeshell	t	105	60	30
India	Magnesite	t	224315	196940	275678
Karnataka	Magnesite	t	11495	7720	9129
Tamil Nadu	Magnesite	t	160450	144991	215254
Uttarakhand	Magnesite	t	52370	44229	51295

India	Marl	t	4337009	3254486	2179489
Gujarat	Marl	t	4240183	3216915	2177450
Tamil Nadu	Marl	t	96826	37571	2039
India	Mica (Crude)(Mm)	kg	1255813	1755317	635700
Andhra Pradesh	Mica (Crude)(Mm)	kg	1176813	1755317	635700
Jharkhand	Mica (Crude)(Mm)	kg	0	0	0
Rajasthan	Mica (Crude)(Mm)	kg	79000	0	0
India	Mica (Waste & Scrap)(Mm)	kg	16254544	19657136	11852421
Andhra Pradesh	Mica (Waste & Scrap)(Mm)	kg	7415311	7531158	7643585
Bihar	Mica (Waste & Scrap)(Mm)	kg	2938500	3380500	1378000
Jharkhand	Mica (Waste & Scrap)(Mm)	kg	782270	2110090	0
Rajasthan	Mica (Waste & Scrap)(Mm)	kg	5118463	6635388	2830836
India	Moulding Sand	t	3118	29963	6383
Chhattisgarh	Moulding Sand	t	2613	29323	6383
Gujarat	Moulding Sand	t	200	150	0
West Bengal	Moulding Sand	t	305	490	0
India	Ochre(Mm)	t	1833783	1580675	2203708
Andhra Pradesh	Ochre(Mm)	t	97581	130901	155723
Gujarat	Ochre(Mm)	t	4690	5050	6300
Karnataka	Ochre(Mm)	t	0	0	0
Madhya Pradesh	Ochre(Mm)	t	55445	69246	70422
Rajasthan	Ochre(Mm)	t	1676067	1375478	1971263
India	Perlite	t	0	0	0
Gujarat	Perlite	t	0	0	0
India	Pyrophyllite(Mm)	t	247968	224677	147431
Andhra Pradesh	Pyrophyllite(Mm)	t	176	1980	1603
Madhya Pradesh	Pyrophyllite(Mm)	t	207768	166896	115655
Maharashtra	Pyrophyllite(Mm)	t	714	1527	1030
Odisha	Pyrophyllite(Mm)	t	0	10066	3388
Rajasthan	Pyrophyllite(Mm)	t	7697	17968	0
Uttar Pradesh	Pyrophyllite(Mm)	t	31613	26240	25755
India	Pyroxenite(Mm)	t	58562	2985	0
Jharkhand	Pyroxenite(Mm)	t	58562	2985	0
Odisha	Pyroxenite(Mm)	t	0	0	0
India	Quartz(Mm)	t	1384155	1488743	1381406
Andhra Pradesh	Quartz(Mm)	t	893670	522446	508179
Bihar	Quartz(Mm)	t	8997	0	0
Chhattisgarh	Quartz(Mm)	t	17009	14784	4705
Gujarat	Quartz(Mm)	t	164462	156379	102885
Jharkhand	Quartz(Mm)	t	42474	32633	14730
Karnataka	Quartz(Mm)	t	6931	63624	88673
Madhya Pradesh	Quartz(Mm)	t	340	0	3450
Maharashtra	Quartz(Mm)	t	17475	14985	7256
Odisha	Quartz(Mm)	t	7720	7142	0
Rajasthan	Quartz(Mm)	t	173448	229814	225528
Tamil Nadu	Quartz(Mm)	t	21367	15783	21268
Telangana	Quartz(Mm)	t		394733	367467
Uttar Pradesh	Quartz(Mm)	t	0	900	50
West Bengal	Quartz(Mm)	t	30262	35520	37215
India	Quartzite(Mm)	t	501399	584235	583095
Andhra Pradesh	Quartzite(Mm)	t	221885	389984	456494
Bihar	Quartzite(Mm)	t	109495	35346	5706
Chhattisgarh	Quartzite(Mm)	t	42524	31119	19696
Jharkhand	Quartzite(Mm)	t	30771	1981	0
Karnataka	Quartzite(Mm)	t	10000	13000	8500
Maharashtra	Quartzite(Mm)	t	55117	58073	59991
Odisha	Quartzite(Mm)	t	26818	43455	21863
Rajasthan	Quartzite(Mm)	t	4489	4187	8285
West Bengal	Quartzite(Mm)	t	300	7090	2560

India	Silica Sand(Mm)	t	4303883	3724241	3047485
Andhra Pradesh	Silica Sand(Mm)	t	2128989	1693844	1242041
Gujarat	Silica Sand(Mm)	t	869926	844988	873200
Jharkhand	Silica Sand(Mm)	t	81088	0	0
Karnataka	Silica Sand(Mm)	t	102854	133005	88773
Kerala	Silica Sand(Mm)	t	91833	50793	38628
Maharashtra	Silica Sand(Mm)	t	278138	274966	129947
Rajasthan	Silica Sand(Mm)	t	626336	611361	510703
Tamil Nadu	Silica Sand(Mm)	t	10916	44533	74268
Uttar Pradesh	Silica Sand(Mm)	t	42051	8336	0
West Bengal	Silica Sand(Mm)	t	71752	62415	89925
India	Sand (Others)(Mm)	t	2638424	2577869	2100563
Andhra Pradesh	Sand (Others)(Mm)	t	1874624	7788	7197
Madhya Pradesh	Sand (Others)(Mm)	t	0	109843	16037
Maharashtra	Sand (Others)(Mm)	t	750877	577986	291979
Meghalaya	Sand (Others)(Mm)	t	12923	0	0
Rajasthan	Sand (Others)(Mm)	t	0	5831	7232
Telangana	Sand (Others)(Mm)	t		1876421	1778118
India	Salt (Rock)	t	0	0	0
Himachal Pradesh	Salt (Rock)	t	0	0	0
India	Shale(Mm)	t	3067718	3006945	2792904
Andhra Pradesh	Shale(Mm)	t	142617	104309	102331
Himachal Pradesh	Shale(Mm)	t	1512161	1430549	1279203
Karnataka	Shale(Mm)	t	546026	670136	646286
Madhya Pradesh	Shale(Mm)	t	519521	453825	384008
Maharashtra	Shale(Mm)	t	347393	289026	294076
Telangana	Shale(Mm)	t		59100	87000
India	Slate(Mm)	t	278	351	218
Haryana	Slate(Mm)	t	278	351	218
India	Steatite(Mm)	t	971778	887925	774281
Andhra Pradesh	Steatite(Mm)	t	85117	62214	57752
Chhattisgarh	Steatite(Mm)	t	440	0	0
Gujarat	Steatite(Mm)	t	2626	1301	0
Jharkhand	Steatite(Mm)	t	1400	0	0
Madhya Pradesh	Steatite(Mm)	t	140	1887	1828
Rajasthan	Steatite(Mm)	t	766742	739739	633216
Tamil Nadu	Steatite(Mm)	t	991	1280	2750
Uttarakhand	Steatite(Mm)	t	114322	81504	78735
India	Selenite	t	7577	531	207
Rajasthan	Selenite	t	7577	531	207
India	Sulphur	t	449004	390325	429258
Assam	Sulphur	t	3706	4950	5803
Bihar	Sulphur	t	12345	10253	8629
Gujarat	Sulphur	t	74697	76088	90096
Haryana	Sulphur	t	218633	170471	168598
Maharashtra	Sulphur	t	46991	51301	57691
Punjab	Sulphur	t	12676	0	0
Uttar Pradesh	Sulphur	t	43574	35361	48782
West Bengal	Sulphur	t	36382	41901	49659
India	Vermiculite	t	7947	11851	15327
Andhra Pradesh	Vermiculite	t	6474	9650	13126
Karnataka	Vermiculite	t	100	0	0
Tamil Nadu	Vermiculite	t	1373	2201	2201
India	Wollastonite	t	145667	192712	186519
Rajasthan	Wollastonite	t	145667	192712	186519

Note: 31 Minerals have been declared as Minor Minerals (MM) vide notification dated 10th February' 2015. Production data for these minerals during 2014-15 is upto January 2015.

(P): Provisional; Source : MCDR Returns