

भारत सरकार  
GOVERNMENT OF INDIA  
खान मंत्रालय  
MINISTRY OF MINES  
भारतीय खान ब्यूरो  
INDIAN BUREAU OF MINES  
खनन एवं खनिज सांख्यिकी प्रभाग  
MINING & MINERAL STATISTICS DIVISION

**Statistical Profiles  
of  
Minerals**

**2017-18**

**Issued by**

**CONTROLLER GENERAL  
INDIAN BUREAU OF MINES, NAGPUR**

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### Abbreviations/Symbols

crt : Carat	(e) : Estimated	N.A. : Not Available
++ : Negligible	N.E. : Not Estimated	- : Nil
(p) : Provisional	(r) : Revised	Th. : Thousand

## INTRODUCTION

This publication presenting the information on mineral production for 2017-18 is the 34<sup>th</sup> issue of the series 'Statistical Profiles of Minerals'. It provides a bird's eye view of different aspects of all the minerals (except atomic, fuel and minor minerals) produced in the country, which fall under the purview of Mineral Conservation and Development Rules, 2017 (MCDR 2017).

The publication contains information on various parameters i.e. mineral reserves and its life index, number of mining leases, lease area, number of mines, production by captive and non-captive mines, public & private sector, A & B category, state, grade etc. Data on employment, stock, principal mines, domestic consumption and exports/imports by countries are also presented in the publication.

The total mineral reserves/remaining resources in respect of minerals has been updated as on 1-4-2015. Life Indices and mineral resources data has been compiled based on the latest updated information available with this office. Due to conceptual changes, there will be a few notable variations in the life indices if compared with the earlier one. The data on reserves, life index, mining leases and domestic consumption are provided by the Mineral Economics Division of the Bureau.

Data on production for 2016-17 are based on the production reported by the mine owners through Annual/Monthly returns under the provisions of the MCDR 2017 while those for 2017-18 are based on the monthly production reported by the mine owners in Monthly returns. Data on stocks relate to mine-head at the end of the financial year. The foreign trade data are incorporated for the years 2013-14 to 2017-18 and country-wise information is given for the year 2017-18 are based on the data of the source agency i.e. Director General, Commercial Intelligence & Statistics, Kolkata. The export data includes re-exports for the years 2013-14 to 2017-18. Country-wise break-up of some of the minerals at 8- digit ITC (HS) code level is not available for the year 2017-18. The entire figures of such minerals have been grouped under country-item 'unspecified' and are covered under 'others'. The data in respect of such minerals have limitations to that extent.

## APATITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. tonnes)	29	24016	24045

**Life Index (Years)** : Very Large

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	No. of Leases	Lease Area
	2	20.17

**C) Mines Reporting Production :**

	No. of Mines		Production (tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	2*	2*	-	-
<b>Public Sector</b>	1*	1*	-	-
<b>Private Sector</b>	1*	1*	-	-
<b>Non-captive</b>	2*	2*	-	-
<b>'A' Category</b>	1*	1*	-	-
<b>'B' Category</b>	1*	1*	-	-
<b>STATES</b>				
Andhra Pradesh	1*	1*	-	-
West Bengal	1*	1*	-	-

**D) Production Trend :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (tonnes)</b>	1300	930	110	-	-
<b>Value (Rs. '000)</b>	2768	2065	387	-	-

E) <b>Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Th. tonnes)		7	7	7	7	7

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	58	45
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.05	0.04

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\*Only labour reported

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Th. tonnes) (Apatite & Rock Phosphate)	4238	4340	4442	1994	9236 <sup>(@)</sup>

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity</b> (tonnes)	-	-	-	-	-
<b>Value</b> (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity</b> (tonnes)	-	-	-	-	-
<b>Value</b> (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	
<b>Quantity</b> (tonnes)	-
<b>Value</b> (Rs. crore)	-
<b>Imports</b>	
<b>Quantity</b> (tonnes)	-
<b>Value</b> (Rs. crore)	-

**J) Apatite Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Andhra Phosphate	Vill. N.R. Puram Distt. Visakhapatnam Andhra Pradesh	Andhra Phosphate (P) Ltd, 45-58-17/5, Narasimhaanagar, Visakhapatnam – 530024, Andhra Pradesh.
Beldih Apatite Mine	Vill. Beldih Distt. Purulia West Bengal	West Bengal Mineral Development & Trading Corporation. Ltd., 13 <sup>th</sup> Nellie Sengupta Sarani, Kolkata – 700087.

**K) Contribution of above Mines in 2017-18 :**

<b>Quantity</b> (tonnes)	-
<b>Percentage Share to All-India Production</b>	-

(@) : Apparent Consumption

## ASBESTOS

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (All Grades) (Th. tonnes)	24	22923	22947

**Life Index (Years)** : Very Large

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	No. of Leases	Lease Area
	1	49.22

**C) Mines Reporting Production :**

	No. of Mines		Production (tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	-	-	-	-
<b>Private Sector</b>	-	-	-	-
<b>Non-captive</b>	-	-	-	-
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	-	-	-	-
<b>STATES</b>				
Andhra Pradesh	-	-	-	-
Rajasthan	-	-	-	-
<b>GRADES</b>				
Chrysotile	-	-	-	-

**D) Production Trend :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (tonnes)</b>	172	-	-	-	-
<b>Value (Rs. '000)</b>	7271	-	-	-	-

E) <b>Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (tonnes)		11	-	11	-	-

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	-	-
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	-	-

**G) Domestic Consumption Trend : 2013-14 2014-15 2015-16 2016-17(r) 2017-18(p)**

Quantity (Th. tonnes) 104 104 N.A N.A. N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (tonnes)</b>	96	393	524	102	132
<b>Value (Rs. crore)</b>	0.05	1.20	2.36	0.10	0.09
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
<b>Imports</b>					
<b>Quantity (tonnes)</b>	285870	396493	355686	310592	357182
<b>Value (Rs. crore)</b>	1329.9	1716.81	1486.5	1127.94	1160.37
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.11	0.16	0.20	0.14	0.11

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	<b>Bangladesh</b>		<b>Nepal</b>		<b>Others</b>	
<b>Quantity (tonnes)</b>	131		1		++	
<b>Value (Rs. crore)</b>	0.08		0.01		++	
<b>Imports</b>	<b>Russia</b>	<b>Brazil</b>	<b>Kazakhstan</b>	<b>China P Rep</b>	<b>Switzerland</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	225255	74560	55851	705	675	136
<b>Value (Rs. crore)</b>	728.61	258.06	168.09	2.48	2.76	0.37

**J) Principal Asbestos Mines in 2017-18:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
-----No production reported-----		

**K) Contribution of above Mines in 2017-18:**

Quantity (tonnes) -

Percentage Share to All-India Production -



## BAUXITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. tonnes)	656422	3240442	3896864
<b>Life Index (Years)</b>	:		104
B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	:	<b>No. of Leases</b> 387	<b>Lease Area</b> 28356.68

C) **Mines Reporting Production** :

	No. of Mines		Production (Th. tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>165(7)</b>	<b>152(6)</b>	<b>24745</b>	<b>22313</b>
<b>Public Sector</b>	20	20	7577	8212
<b>Private Sector</b>	145(7)	132(6)	17168	14101
<b>Captive</b>	61	61	19870	18044
<b>Non-captive</b>	104(7)	91(6)	4875	4869
<b>'A' Category</b>	24	28	16895	16201
<b>'B' Category</b>	141(7)	124(6)	7850	6112
<b>STATES</b>				
Chhattisgarh	13	13	1954	2559
Goa	1 <sup>#</sup>	1	-	4
Gujarat	92	74	5881	3102
Jharkhand	18	25	2290	2591
Karnataka	2	2 <sup>#</sup>	++	-
Madhya Pradesh	20(7)	18(6)	677	581
Maharashtra	13	11	1946	2028
Odisha	3	5	11990	11448
Tamil Nadu	3	3 <sup>#</sup>	7	-
<b>For use in alumina and aluminium metal extraction*</b>				
Above 60% Al <sub>2</sub> O <sub>3</sub>			-	-
55 – 60% Al <sub>2</sub> O <sub>3</sub>			-	-
50 – 55% Al <sub>2</sub> O <sub>3</sub>			16	4
45 – 50% Al <sub>2</sub> O <sub>3</sub>			1655	692
40 – 45% Al <sub>2</sub> O <sub>3</sub>			15020	15871
Below 40% Al <sub>2</sub> O <sub>3</sub>			1095	1387
<b>For use other than alumina and aluminium metal extraction *</b>				
Cement			6175	3636
Abrasive			94	46
Refractory			286	467
Chemical			404	210

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Th. tonnes)</b>	22319	22494	28124	24745	22313
<b>Value (Rs. '000)</b>	9996894	11922367	15437694	14865504	15020673

E) <b>Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Th. tonnes)		12084	10768	14093	16301	17836

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	6491	6031
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	5.57	5.43

( ) : Figures in parentheses indicate additional mines associated with ochre, iron ore, fire clay, laterite & limestone.

\* Substituted by G.S.R. 330(E), dated 10.4.2003. # : Only labour reported.

<b>G) Domestic Consumption Trend</b>	<b>:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Th. tonnes)		14077	13572	19622	20937	20339

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity</b> (Th. tonnes)	3493	6809	8915	2791	1529
<b>Value</b> (Rs. crore)	673.65	1405.07	1952.74	510.53	270.50
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.35	0.79	1.14	0.26	0.14
<b>Imports</b>					
<b>Quantity</b> (Th. tonnes)	1801	1116	1895	1895	1461
<b>Value</b> (Rs. crore)	856.09	598.29	778.51	778.51	772.71
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.08	0.08	0.10	0.10	0.08

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	<b>China P Rp</b>	<b>Kuwait</b>	<b>Nepal</b>	<b>Mozambique</b>	<b>Hong Kong</b>	<b>Others</b>
<b>Quantity</b> (Th. tonnes)	1273	106	46	33	25	46
<b>Value</b> (Rs. crore)	187.72	18.38	10.08	4.25	3.63	46.44
<b>Imports</b>	<b>Guinea</b>	<b>Pakistan</b>	<b>Ghana</b>	<b>Trinidad</b>	<b>Brazil</b>	<b>Others</b>
<b>Quantity</b> (Th. tonnes)	585	219	185	135	112	225
<b>Value</b> (Rs. crore)	240.06	130.40	78.21	47.19	45.27	231.59

**J) Five Principal Bauxite Mines in 2017-18:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Panchpatmali	Vill. Panchpatmali Distt. Koraput Odisha	National Aluminium Co. Ltd, Nalco Bhawan, P-1 Nayapalli, Bhubaneswar, Khurda – 751 061, Odisha.
Baphlimali	Vill. Paikkupakhali Distt. Rayagada Odisha	Utkal Alumina International Ltd, J-6, Jayadev Vihar, Bhubaneswar – 751 013, Odisha.
Asota Mewasa	Vill. Mewasa Distt. Devbhoomi Dwarka Gujarat	Bombay Minerals Ltd., Okha-Jamnagar High Way, Jam-Khambalia Distt. Jamnagar, Gujarat – 361 305.
Minche Budrak	Vill. Minche Budrak Distt. Kolhapur Maharashtra	M/s. Panditrao Mines and Minerals Pvt. Ltd., At- Minche Budrak, Tal-Bhudargad, Distt. Kolhapur, Maharashtra – 416 223.
Bodai Daldali	Vill. Semsata Distt. Kabirdam Chhattisgarh	Bharat Aluminium Co. Ltd., Aluminium Sadan, Core-6, SCOPE Office complex, 7 Lodhi Road, New Delhi – 110 003.

**K) Contribution of above Mines in 2017-18:**

<b>Quantity</b> (Th. tonnes)	13418
<b>Percentage Share to All-India Production</b>	60

## CHROMITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (All Grades) (Th. tonnes)	102210	241806	344016
<b>Life Index</b> (Years)	:		89
B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	:	<b>No. of Leases</b> 32	<b>Lease Area</b> 8368.80
C) <b>Mines Reporting Production</b>	:		

	No. of Mines		Production (Th. tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>26</b>	<b>25</b>	<b>3728</b>	<b>3481</b>
<b>Public Sector</b>	10	10	1272	974
<b>Private Sector</b>	16	15	2456	2507
<b>Captive</b>	6	5	1001	919
<b>Non-captive</b>	20	20	2727	2562
<b>'A' Category</b>	22	22	3515	3310
<b>'B' Category</b>	4	3	213	171
<b>STATES</b>				
Karnataka	3	3*	1	-
Maharashtra	1	1	++	++
Odisha	22	21	3727	3481
<b>GRADES</b>				
Above 52% Cr <sub>2</sub> O <sub>3</sub>	Lumps		-	-
	Fines		1102	1047
40 - 52% Cr <sub>2</sub> O <sub>3</sub>	Lumps		142	145
	Fines		1354	1186
Below 40% Cr <sub>2</sub> O <sub>3</sub>	Lumps		127	86
	Fines		531	601
Concentrates			472	416

D) <b>Production Trend</b>	:	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity</b> (Th. tonnes)		2878	2164	2916	3728	3481
<b>Value</b> (Rs. '000)		23759458	18800279	21214490	31937475	32109182

E) <b>Closing Stock</b>	:	2013-14	2014-15	2014-15	2016-17	2017-18(p)
Quantity (Th. tonnes)		2258	2245	2560	2694	2270

F) <b>Employment</b>	:		
<b>Average Number of Persons Employed per Day</b>		6959	7095
<b>Percentage Share of Employment to Total for MCDR Minerals</b>		5.97	6.38

\* : Only labour reported.

<b>G) Domestic Consumption Trend</b>	<b>:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Th. tonnes)		2433	2058	2448	2289	2449

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity</b> (Th. tonnes)	195	25	72	231	82
<b>Value</b> (Rs. crore)	346.84	65.93	131.41	365.77	174.30
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.18	0.04	0.08	0.18	0.09
<b>Imports</b>					
<b>Quantity</b> (Th. tonnes)	261	243	188	154	161
<b>Value</b> (Rs. crore)	309.97	287.15	226.64	210.51	298.19
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.03	0.03	0.03	0.03	0.03

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	<b>China P Rp</b>		<b>Japan</b>	<b>UAE</b>	<b>Bangladesh</b>	<b>Spain</b>
<b>Quantity</b> (Th. tonnes)	63		18	++	++	++
<b>Value</b> (Rs. crore)	129.85		44.44	0.01	++	++
<b>Imports</b>	<b>S. Africa</b>	<b>Oman</b>	<b>Pakistan</b>	<b>Madagascar</b>	<b>Netherland</b>	<b>Others</b>
<b>Quantity</b> (Th. tonnes)	114	36	5	4	1	++
<b>Value</b> (Rs. crore)	240.14	36.70	13.01	5.69	1.69	0.95

**J) Five Principal Chromite Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Bhintangar (Sukinda)	Vill. Bhintangar Distt. Jajpur Odisha	Tata Steel Ltd., Bombay House, 24, Homi Mody Street Fort Mumbai – 400 001.
South Kaliapani	Vill. Kaliapani Distt. Jajpur Odisha	The Odisha Mining Corpn. Ltd., OMC House, Unit 5, Post Box No-34, Bhubneshwar – 751 001, Odisha.
Sukinda	Vill. Kaliapani Distt. Jajpur Odisha	Indian Metals & Ferro Alloys Ltd., IMFA Building, Bomikhal, P.O. Rasulgarh, Bhubaneswar – 751 010, Odisha.
Kaliapani	Vill. Kaliapani Distt. Jajpur Odisha	Balasore Alloys Ltd., Balgopalpur, P.O. Rasalpur, Balasore – 756 020, Odisha.
Mahagiri	Vill. Kaliapani Distt. Jajpur Odisha	Indian Metals & Ferro Alloys Ltd., IMFA Building, Bomikhal, P.O. Rasulgarh, Bhubaneswar – 751 010, Odisha.

**K) Contribution of above Chromite Mines in 2017-18:**

<b>Quantity</b> (Th. tonnes)	2763
<b>Percentage Share to All-India Production</b>	79

## COPPER ORE & CONCENTRATES

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2015</b> :			
(Th. tonnes) a) Ore	207767	1303730	1511498
b) Metal	2735	9423	12158
<b>Life Index (Years) (Ore)</b> :			192

<b>B) Mining Leases as on 31-3-2018</b> :	<b>No. of Leases</b>	<b>Lease Area</b>
Ore (Area in Hectares)	14	4253.68

**C) Mines Reporting Production :**

	No. of Mines		Production(Th. tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>India</b>	5	5		
Ore			3846	3679
Concentrates			135	142
<b>Public Sector</b>	5	5		
Ore			3846	3679
Concentrates			135	142
<b>Captive</b>	5	5		
Ore			3846	3679
Concentrates			135	142
<b>'A' Category</b>	5	5		
Ore			3846	3679
Concentrates			135	142

STATES	No. of Mines		Production (Th. tonnes)			
	2016-17	2017-18(p)	2016-17		2017-18(p)	
			Qty	Cu%	Qty	Cu%
<b>Jharkhand</b>	2	2				
Ore			314	0.87	179	0.84
Concentrates			10	25.90	5	25.88
<b>Madhya Pradesh</b>	1	1				
Ore			2415	0.81	2339	0.88
Concentrates			68	25.00	76	25.41
<b>Rajasthan</b>	2	2				
Ore			1117	1.01	1161	0.97
Concentrates			57	17.75	61	18.48

**D) Production Trend :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Th. tonnes)</b>					
Ore	3778	3505	3908	3846	3679
Concentrates	139	108	152	135	142
<b>Value (Rs. '000)</b>					
Concentrates	6681011	5289409	6548318	6506133	7742763

<b>E) Closing Stock</b> :	<b>2013-14</b>	<b>2014-15</b>	<b>2014-15</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Th. tonnes) Ore	7	48	90	67	55
Concentrates	9	12	42	38	40

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	2791	2586
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	2.39	2.33

<b>G) Domestic Consumption Trend</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

Exports (Ores & Concentrates)	2013-14	2014-15	2015-16	2016-17(r)	2017-18(p)
<b>Quantity</b> (tonnes)	38912	1	11432	22711	61005
<b>Value</b> (Rs. crore)	334.99	++	71.29	105.43	380.55
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.17	++	0.04	0.05	0.19
Imports (Ores & Concentrates)					
<b>Quantity</b> (tonnes)	2048240	1702247	1886199	1143216	1488163
<b>Value</b> (Rs. crore)	33226.74	28502.82	26296.54	18298.7	27834.48
<b>Percentage Share to the Value of Imports of All Minerals</b>	2.73	2.66	3.56	2.26	2.71

**I) Exports/Imports by Country in 2017-18:**

Exports	China P Rp		Korea Rp		USA	
<b>Quantity</b> (tonnes)	60731		274		++	
<b>Value</b> (Rs. crore)	379.81		0.74		++	
Imports	Chile	Peru	Indonesia	Brazil	Canada	Others
<b>Quantity</b> (tonnes)	647799	213016	178387	115118	114698	219145
<b>Value</b> (Rs. crore)	11213.20	3417.19	4666.39	2441.72	1832.79	4263.18

**J) Copper Ore Mines in 2017-18:**

Name of Mine	Location of Mine	Address of Mine Owner
Malanjkhanda	Vill. Malanjkhanda (Karamsara) Distt. Balaghat Madhya Pradesh	Hindustan Copper Ltd, Tamra Bhawan, Ashutosh Choudhury Avenue, Kolkata – 700 019.
Khetri	Vill. Banwas Distt. Jhunjhunu Rajasthan	
Kolihan	Vill. Kolihan Nagar/Khetri Distt. Jhunjhunu Rajasthan	
Surda	Vill. Surda & Mosabani Distt. Singhbhum (East) Jharkhand	
Kendadih	Vill. Terenga Distt. Singhbhum (East) Jharkhand	

**K) Contribution of above Mines in 2017-18:**

<b>Quantity</b> (Th. tonnes) (Copper Ore)	3679
<b>Percentage Share to All-India Production</b>	100

## DIAMOND

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. carats)	960	30876	31836

**Life Index (Years)** : 72

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	No. of Leases	Lease Area
	2	275.96

C) **Mines Reporting Production** :

	No. of Mines		Production (carats)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	2	2	36491	39699
<b>Public Sector</b>	2	2	36491	39699
<b>Non-captive</b>	2	2	36491	39699
<b>'A' Category</b>	1	1	35611	39393
<b>'B' Category</b>	1	1	880	306
<b>STATE</b>				
Madhya Pradesh	2	2	36491	39699

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (carats)</b>	37517	36107	36044	36491	39699
<b>Value (Rs. '000)</b>	614087	613504	621441	639562	410737

E) <b>Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (carats)		15076	15303	14084	24102	25625

F) **Employment** :

Average Number of Persons Employed per Day		157	134
Percentage Share of Employment to Total for MCDR Minerals		0.13	0.12

**G) Domestic Consumption Trend** : **2013-14** **2014-15** **2015-16** **2016-17(r)** **2017-18(p)**  
Quantity (tonnes) N.A. N.A. N.A. N.A. N.A.

**H) Exports/Imports Trend** :

<b>Exports (Mostly Cut)</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Th. carats)</b>	**	**	**	**	**
<b>Value (Rs. crore)</b>	158004.97	148055.77	142664.05	162567.30	161930.97
<b>Percentage Share to the Value of Exports of All Minerals</b>	81.12	83.17	83.46	81.23	81.32
<b>Imports (Mostly Cut)</b>					
<b>Quantity (Th. carats)</b>	**	**	**	**	**
<b>Value (Rs. crore)</b>	134117.11	125034.80	110378.47	129442.6	189912.97
<b>Percentage Share to the Value of Imports of All Minerals</b>	11.03	11.67	14.94	15.99	18.47

**I) Exports/Imports by Country in 2017-18** :

<b>Exports (Mostly Cut)</b>	<b>Hong Kong</b>	<b>USA</b>	<b>Belgium</b>	<b>UAE</b>	<b>Israel</b>	<b>Others</b>
<b>Quantity (Th. carats)</b>	**	**	**	**	**	**
<b>Value (Rs. crore)</b>	64150.90	48652.06	14921.49	12584.91	6587.72	15033.89
<b>Imports (Mostly Cut)</b>	<b>Belgium</b>	<b>UAE</b>	<b>Russia</b>	<b>Canada</b>	<b>Australia</b>	<b>Others</b>
<b>Quantity (Th. carats)</b>	**	**	**	**	**	**
<b>Value (Rs. crore)</b>	26377.26	29222.67	22316.73	7443.09	916.63	103636.59

**J) Diamond Mines in 2017-18** :

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Majhgawan	Vill. Majhgawan Distt. Panna Madhya Pradesh	National Min. Dev. Corpn. Ltd, 10-3-311/A, Khanij Bhavan ,Castle Hills, Masab Tank, Hyderabad – 500 028, Andhra Pradesh.
Shallow (Uthali)	Vill. Itwan, Ramkhiria Distt. Panna Madhya Pradesh	Director of Geology & Mining, (Diamond Project), Govt. of Madhya Pradesh, Khanij Bhavan, 29-A, Arera Hills, Bhopal – 462 016, Madhya Pradesh.

**K) Contribution of above Mines in 2017-18** :

**Quantity (carats)** 39699  
**Percentage Share to All-India Production** 100

\*\* : The unit level quantities are non additive.



## EMERALD

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Kgs.)	-	55869	55869
<b>Life Index (Years)</b>			N.E.

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	<b>No. of Leases</b>	<b>Lease Area</b>
	1	46.32

C) **Mines Reporting Production** :

	No. of Mines		Production (kg)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	No Production reported			
<b>Private Sector</b>	- do -			
<b>Non-Captive</b>	- do -			
<b>'B' Category</b>	- do -			
<b>STATE</b>				
Rajasthan	- do -			

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) <b>Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (kg)		-	-	-	20	20

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	-	-
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	-	-

G) Domestic Consumption Trend : 2013-14 2014-15 2015-16 2016-17(r) 2017-18(p)  
Quantity (tonnes) N.A. N.A. N.A. N.A. N.A.

H) Exports/Imports Trend :

Exports (Uncut/Cut)	2013-14	2014-15	2015-16	2016-17(r)	2017-18(p)
Quantity	**	**	**	**	**
Value (Rs. crore)	2157.01	1594.54	1788.0	2034.02	1775.77
Percentage Share to the Value of Exports of All Minerals	1.11	0.90	1.05	1.02	0.89
Imports (Uncut/Cut)					
Quantity	**	**	**	**	**
Value (Rs. crore)	2232.88	6306.24	8726.33	11342.88	7793.47
Percentage Share to the Value of Imports of All Minerals	0.18	0.59	1.18	1.40	0.76

I) Exports/Imports by Country in 2017-18 :

Exports	Hong Kong	USA	Thailand	Switzerland	UAE	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	956.34	316.86	104.96	100.39	64.25	232.98
Imports	Hong Kong	Zambia	UAE	Russia	Thailand	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	4737.73	1062.69	449.82	269.37	267.98	1005.89

J) Emerald Mine in 2017-18 : Nil

K) Contribution of above Mine in 2017-18 :

Quantity (kg) -  
Percentage Share to All-India Production -

\*\* Quantity in different units.

## FLINT STONE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	N.E.	N.E.	N.E.
<b>Life Index (Years)</b>			N.E.

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	No. of Leases	Lease Area
	2.	11.77

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	1	-	26	-
<b>Private Sector</b>	1	-	26	-
<b>Non-captive</b>	1	-	26	-
<b>'B' Category</b>	1	-	26	-
<b>STATES</b>				
Jharkhand	1	-	26	-

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Tonnes)</b>	459	244	253	26	-
<b>Value (Rs. '000)</b>	136	79	76	8	-

E) <b>Closing Stock</b>	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Quantity (Tonnes)	-	-	-	-	-

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	3	-
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	++	-

<b>G) Domestic Consumption Trend</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports (Flint Stone)</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	2524	484	867	652	824
<b>Value (Rs. crore)</b>	1.82	0.40	0.77	0.66	0.77
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
<b>Imports (Flint Stone)</b>					
<b>Quantity (Tonnes)</b>	N.A.	141	1279	1712	4431
<b>Value (Rs. crore)</b>	N.A.	0.23	1.74	2.42	5.62
<b>Percentage Share to the Value of Imports of All Minerals</b>	N.A.	++	++	++	++

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports (Flint Stone)</b>	<b>Ethiopia</b>	<b>Djibouti</b>	<b>Japan</b>	<b>UAE</b>	<b>Oman</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	281	238	200	56	27	22
<b>Value (Rs. crore)</b>	0.17	0.25	0.28	0.02	0.03	0.01
<b>Imports (Flint Stone)</b>	<b>France</b>		<b>Egypt A Rep</b>		<b>UK</b>	
<b>Quantity (Tonnes)</b>	2524		1855		52	
<b>Value (Rs. crore)</b>	3.58		1.92		0.13	

**J) Flint Stone Mines in 2017-18:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
-----No production reported-----		

**K) Contribution of above Mines in 2017-18:**

<b>Quantity (Tonnes)</b>	-
<b>Percentage Share to All-India Production</b>	-

## FLUORITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	289	17893	18182
<b>Life Index (Years)</b>	:		Very large
B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	:	<b>No. of Leases</b> 11	<b>Lease Area</b> 331.87

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>2</b>	<b>1</b>	<b>1175</b>	<b>1313</b>
<b>Public Sector</b>	2	1	1175	1313
<b>Captive</b>	1*	-	-	-
<b>Non-captive</b>	1	1	1175	1313
<b>'A' Category</b>	1*	-	-	-
<b>'B' Category</b>	1	1	1175	1313
<b>STATES</b>				
Gujarat	1*	-	-	-
Maharashtra	1	1	1175	1313

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Tonnes)</b>	2487	2946	2333	1175	1313
<b>Value (Rs. '000)</b>	11402	13761	12965	6733	7097

E) <b>Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Tonnes) (Graded)		91570	94296	96619	97794	98359

F) <b>Employment</b>	:		
<b>Average Number of Persons Employed per Day</b>		46	41
<b>Percentage Share of Employment to Total for MCDR Minerals</b>		0.04	0.04

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\* : only labour reported.

<b>G) Domestic Consumption Trend</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)		62500	63100	63500	4000	215223 <sup>(@)</sup>

**H) Exports/Imports Trend :**

<b>Exports (Fluorite)</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	876	561	316	608	471
<b>Value (Rs. crore)</b>	1.65	2.08	1.16	2.16	1.53
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
<b>Imports (Fluorite)</b>					
<b>Quantity (Tonnes)</b>	117254	155675	163113	190446	221818
<b>Value (Rs. crore)</b>	241.22	296.71	290.87	299.23	395.90
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.02	0.03	0.04	0.04	0.04

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports (Fluorite)</b>	<b>Bangladesh</b>	<b>Egypt A Rp</b>	<b>Kenya</b>	<b>Indonesia</b>	<b>Syria</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	190	89	55	43	40	54
<b>Value (Rs. crore)</b>	0.46	0.32	0.12	0.16	0.26	0.20
<b>Imports (Fluorite)</b>	<b>China P Rp</b>	<b>S. Africa</b>	<b>Thailand</b>	<b>Vietnam Soc Rep</b>	<b>Morocco</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	89427	58832	35198	19602	7644	11115
<b>Value (Rs. crore)</b>	177.43	91.35	61.62	31.95	13.87	19.68

**J) Fluorite Mines in 2017-18:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Dongargaon	Vill. Dongargaon Distt. Chandrapur Maharashtra	Maharashtra State Mining Corporation Ltd, Plot no. 7, Ajni Square, Wardha Road, Nagpur – 440 015, Maharashtra.

**K) Contribution of above Mines in 2017-18:**

<b>Quantity (Tonnes)</b>	1313
<b>Percentage Share to All-India Production</b>	100

(@) : Apparent Consumption

## GARNET

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	12784	43377	56161
<b>Life Index (Years)</b>	:		157
B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	:	<b>No. of Leases</b>	<b>Lease Area</b>
Abrasive		109	1604.02
Gem		2	38.22
C) <b>Mines Reporting Production</b>	:		

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>Garnet (Abrasive)</b>				
<b>INDIA</b>	<b>7(1)</b>	<b>7(1)</b>	<b>85413</b>	<b>158154</b>
<b>Public Sector</b>	3(1)	1(1)	32688	40983
<b>Private Sector</b>	4	6	52725	117171
<b>Non-captive</b>	7(1)	7(1)	85413	158154
<b>'A' Category</b>	4(1)	2(1)	64308	98980
<b>'B' Category</b>	3	5	21105	59174
<b>STATES</b>				
Andhra Pradesh	2	2	51243	111390
Odisha	(1)	(1)	22076	34170
Rajasthan	2	2	1482	5781
Tamil Nadu	3	3	10612	6813

**D) Production Trend :**

Garnet (Abrasive)	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity ( tonnes)</b>	483559	91394	82001	85413	158154
<b>Value (Rs. '000)</b>	1113231	800998	648124	787302	1636667

E) <b>Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity Garnet (Abrasive) (Tonnes)		89886	63608	62908	67953	77741

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	1894	806
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	1.62	0.73

( ) : Figures indicate associated mine with sillimanite.

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Th. Tonnes)	774	774	N.A	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports (Garnet (Abrasive))</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	480774	448559	480408	387276	157224
<b>Value (Rs. crore)</b>	606.03	567.38	595.09	469.18	234.66
<b>Exports (Garnet (Cut &amp; Uncut))</b>					
<b>Quantity</b>	**	**	**	**	**
<b>Value (Rs. crore)</b>	3.94	3.11	2.54	24.17	41.67
<b>Percentage Share to the Value (Abrasive) of Exports of All Minerals (Cut &amp; Uncut)</b>	0.31	0.32	0.35	0.23	0.12
	++	++	++	0.01	0.02
<b>Imports (Garnet (Abrasive))</b>					
<b>Quantity (Tonnes)</b>	626	647	883	2286	2256
<b>Value (Rs. crore)</b>	1.05	1.03	1.11	2.22	2.12
<b>Imports (Garnet (Cut &amp; Uncut))</b>					
<b>Quantity</b>	**	**	**	**	**
<b>Value (Rs. crore)</b>	4.69	6.87	6.26	22.23	33.59
<b>Percentage Share to the Value (Abrasive) of Imports of All Minerals (Cut &amp; Uncut)</b>	++	++	++	++	++
	++	++	++	++	++

**I) Exports/Imports by Country in 2017-18:**

<b>Exports (Garnet Abrasive)</b>	<b>UAE</b>	<b>USA</b>	<b>Italy</b>	<b>Germany</b>	<b>Saudi Arab</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	37341	13771	10263	9340	7684	78825
<b>Value (Rs. crore)</b>	54.30	19.68	15.56	13.62	12.59	118.91
<b>Exports (Garnet (Cut &amp; Uncut))</b>	<b>Thailand</b>	<b>HongKong</b>	<b>USA</b>	<b>Japan</b>	<b>Italy</b>	<b>Others</b>
<b>Quantity</b>	**	**	**	**	**	**
<b>Value (Rs. crore)</b>	15.72	12.52	6.29	2.89	1.34	2.92
<b>Imports (Garnet Abrasive)</b>	<b>U Arab Emts</b>	<b>Australia</b>	<b>Baharain Is</b>	<b>China P Rp</b>	<b>S. Africa</b>	
<b>Quantity (Tonnes)</b>	1754	370	130	2	++	
<b>Value (Rs. crore)</b>	1.42	0.58	0.12	0.01	++	
<b>Imports (Garnet (Cut &amp; Uncut))</b>	<b>Hong Kong</b>	<b>China P Rp</b>	<b>Thailand</b>	<b>Kenya</b>	<b>Mozambique</b>	<b>Others</b>
<b>Quantity</b>	**	**	**	**	**	**
<b>Value (Rs. crore)</b>	11.25	5.67	4.25	3.27	2.57	6.59

**J) Principal Garnet Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Vatsavalasa	Vill.Vatsavalasa & Tonangi Distt. Srikakulam Andhra Pradesh	Trimex Sands (P) Ltd., Trimex Towers, No. 1, Subbraya Avenue, C.P. Rama Swamy Road, Alwarpet, Chennai – 600 018, T. N.
TGI Garnet mine	Vill.Mofazbandru & Ippili Distt. Srikakulam Andhra Pradesh	Transworld Garnet India (P) Ltd., New No. 34, Old No. 46, M.G.R. Road, Kalakshetra Colony, Besant Nagar, Chennai – 600 090, Tamil Nadu.
OSCOM (Odisha Sands Com)	Vill. Matikhala Distt. Ganjam Odisha	Indian Rare Earths Ltd, Plot No. 1207, Veer Savarkar Marg, Near Siddhivinayak Temple, Prabhadevi, Dadar – 400 028, Mumbai, Maharashtra.
Manavalakuruchi	Vill. Kalkulam Distt. Kanyakumari Tamil Nadu	Indian Rare Earths Ltd, Plot No. 1207, Veer Savarkar Marg, Near Siddhivinayak Temple, Prabhadevi, Dadar – 400 028, Mumbai, Maharashtra.
Kodukota	Vill. Gokulpura Distt. Bhilwara Rajasthan	AKD Gem Garnet Mines, F-203, Near Mahapragya Circle, Azad Nagar, Bhilwara – 311 001, Rajasthan.

**K) Contribution of above Mines in 2017-18 :**

<b>Garnet (Abrasive) Quantity (Tonnes)</b>	155379
<b>Percentage Share to All-India Production</b>	98.25

\*\* Quantity in different units.



## GOLD

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2015</b> :			
<b>Primary Ore</b> (Th. Tonnes)	17228	484611	501840
Metal (Tonnes)	70	585	655
<b>Life Index</b> (Years) (Ore) :			241
<b>B) Mining Leases as on 31-3-2018</b> :	<b>No. of Leases</b>		<b>Lease Area</b>
(Area in Hectares)	11		7445.69
<b>C) Mines Reporting Production</b> :			

	No. of Mines		Production	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	5	5		
Ore (Th. Tonnes)			582	550
Gold Bullion (kg)			1595	1648
Primary			1595	1648
<b>Public Sector</b>	3	3		
Ore (Th. Tonnes)			577	545
Gold Bullion (kg)			1580	1640
<b>Private Sector</b>	2	2		
Ore (Th. Tonnes)			5	5
Gold Bullion (kg)			15	8
<b>Captive</b>	5	5		
Ore (Th. Tonnes)			582	550
Gold Bullion (kg)			1595	1648
<b>'A' Category</b>	4	4		
Ore (Th. Tonnes)			577	545
Gold Bullion (kg)			1580	1640
<b>'B' Category</b>	1	1		
Ore (Th. Tonnes)			5	5
Gold Bullion (kg)			15	8
<b>STATES</b>				
<b>Andhra Pradesh</b>	1*	1*		
Ore (Th. Tonnes)			-	-
Gold Bullion (kg)			-	-
<b>Jharkhand</b>	1	1		
Ore (Th. Tonnes)			5	5
Gold Bullion (kg)			15	8
<b>Karnataka</b>	3	3		
Ore (Th. Tonnes)			577	545
Gold Bullion (kg)			1580	1640

### D) Production Trend :

Quantity	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Ore (Th. Tonnes)	421	447	563	582	550
Gold Bullion (kg)	1564	1441	1323	1595	1648
<b>Value (Rs. '000)</b>					
Gold Bullion	4225317	3602722	3214623	4362410	4763056

<b>E) Closing Stock</b> :	<b>2013-14</b>	<b>2014-15</b>	<b>2014-15</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Ore) (Th. Tonnes)	192	122	106	110	68
<b>F) Employment</b> :					
<b>Average Number of Persons Employed per Day</b>				3451	3250
<b>Percentage Share of Employment to Total for MCDR Minerals</b>				2.96	2.92

\* Only labour reported

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Metal) (kg)</b>	70721	70796	135275	133032	36929
<b>Value (Rs. crore)</b>	18351.30	17442.38	32566.59	36179.54	9668.60
<b>Percentage Share to the Value of Exports of All Metals</b>	11.98	10.44	21.30	19.86	5.08
<b>Imports</b>					
<b>Quantity (Metal) (kg)</b>	661715	915473	968075	778449	955182
<b>Value (Rs. crore)</b>	166242.62	210658.04	207487.50	183960.13	217072.07
<b>Percentage Share to the Value of Imports of All Metals</b>	51.73	52.50	53.15	54.46	52.71

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	<b>UAE</b>		<b>Oman</b>	<b>Turkey</b>	<b>UK</b>	
<b>Quantity (Metal) (kg)</b>	36926		1	1	1	
<b>Value (Rs. crore)</b>	9668.33		++	0.27	++	
<b>Imports</b>	<b>Switzerland</b>	<b>UAE</b>	<b>USA</b>	<b>Domonic Rep</b>	<b>Ghana</b>	<b>Others</b>
<b>Quantity (Metal) (kg)</b>	417729	85177	77102	71211	63139	240824
<b>Value (Rs. crore)</b>	110669.65	22807.64	13549.91	3771.49	15430.86	50842.52

**J) Gold Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Hutti	Vill. Hutti Distt. Raichur Karnataka	The Hutti Gold Mines Co. Ltd, Hutti, Distt. Raichur- 584 115. Karnataka.
Hirabuddini	Vill. Hirabuddini Distt. Raichur Karnataka	The Hutti Gold Mines Co. Ltd, Hutti, Distt. Raichur- 584 115. Karnataka.
Kunderkocha	Vill. Kunderkocha Distt. Singhbhum (East) Jharkhand	Manmohan Industries (p) Ltd, Shanti Niketan, 286, New Patliputra Colony, Patna, Bihar.
Uti	Vill. Uti Distt. Raichur Karnataka	The Hutti Gold Mines Co. Ltd, Hutti, Distt. Raichur- 584 115. Karnataka.

**K) Contribution of above Mines in 2017-18 :**

<b>Quantity (Th. Tonnes) Gold Ore (Primary)</b>	550
<b>Percentage Share to All-India</b>	100

## GRAPHITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	7961	186926	194887
<b>Life Index (Years)</b>			296
B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	<b>No. of Leases</b>		<b>Lease Area</b>
	51		1926.79

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>9</b>	<b>9</b>	<b>122438</b>	<b>33558</b>
<b>Public Sector</b>	1	1*	92901	-
<b>Private Sector</b>	8	8	29537	33558
<b>Captive</b>	5	4	108129	13982
<b>Non-captive</b>	4	5	14309	19576
<b>'B' Category</b>	9	9	122438	33558
<b>STATES</b>				
Jharkhand	1	2	10343	18734
Karnataka	1*	-	-	-
Kerala	1	1	660	150
Odisha	4	5	16374	14674
Tamil Nadu	2	1*	95061	-

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Tonnes)</b>	146390	116712	135528	122438	33558
<b>Value (Rs. '000)</b>	102471	83996	106487	94158	25656

E) <b>Closing Stock</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2014-15</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	125414	115526	139590	186603	173784

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	162	384
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.14	0.35

\* Only labour reported.

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	49000	61300	58000	67600	41200

**H) Exports/Imports Trend:**

<b>Exports (Graphite (Natural))</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	820	2669	286	402	910
<b>Value (Rs. crore)</b>	11.24	8.66	1.71	3.03	7.76
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.01	++	++	++	++
<b>Imports (Graphite (Natural))</b>					
<b>Quantity (Tonnes)</b>	22916	28552	26160	37046	39863
<b>Value (Rs. crore)</b>	123.56	133.53	121.34	139.11	148.79
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.01	0.01	0.02	0.02	0.01

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	<b>Bangladesh</b>	<b>Tanzania Rp</b>	<b>Kuwait</b>	<b>Canada</b>	<b>S. Arabia</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	441	120	63	45	35	206
<b>Value (Rs. crore)</b>	0.94	0.53	0.30	0.24	0.11	5.64
<b>Imports</b>	<b>China P Rp</b>	<b>Brazil</b>	<b>Madagascar</b>	<b>Zimbabwe</b>	<b>USA</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	34253	2367	1987	384	272	600
<b>Value (Rs. crore)</b>	110.67	13.59	12.07	1.30	4.27	6.90

**J) Five Principal Graphite Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Gaura	Vill. Gaura Distt. Palamau Jharkhand	Sishir Kumar Poddar, 4L, Shree Gopal Complex, Court road, Ranchi – 834 001, Jharkhand.
Gandabahali & Kirkita	Vill. Gandabahali Distt. Nawapara Odisha	Pramod Kumar Agrawal, Shantikunj Farm Road, Modipara, Sambalpur– 768 002, Odisha.
Betla	Vill. Betla Distt. Latehar Jharkhand	M/s Parijat Mining Industries, Town Hall Road, Opp. Shivajee Maidan, Datonganj, Palamau– 822 101, Jharkhand.
Gandabahali	Vill. Gandabahali Distt. Nawapara Odisha	Prabhas Chandra Agrawal, Shantikunj Farm Road, Modipara, Sambalpur – 768 002, Odisha.
Gandabahali	Vill. Gandabahali Distt. Nawapara Odisha	Pramod Kumar Agrawal, Shantikunj Farm Road, Modipara, Sambalpur – 768 002, Odisha.

**K) Contribution of above Mines in 2017-18 :**

<b>Quantity (Tonnes)</b>	33558
<b>Percentage Share to All-India Production</b>	99.5

## IOLITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> ( Kg.)	N.A.	N.A.	N.A.

**Life Index (Years)** : N.E

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	No. of Leases	Lease Area
	12	188.71

**C) Mines Reporting Production :**

	No. of Mines		Production (kg)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	-	-	-	-
<b>Private Sector</b>	-	-	-	-
<b>Non-captive</b>	-	-	-	-
<b>'B' Category</b>	-	-	-	-
<b>STATE</b>				
Odisha	-	-	-	-

**D) Production Trend :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

<b>E) Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (kg)		2204	2241	2204	2204	2220*

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	-	-
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	-	-

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\* : Based on three mines(production not reported).

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (kgs)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**K) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	
<b>Quantity (kg)</b>	-
<b>Value (Rs. crore)</b>	-
<b>Imports</b>	
<b>Quantity (kg)</b>	-
<b>Value (Rs. crore)</b>	-

**J) Iolite Mine in 2017-18:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
-----No mines reported production-----		

**K) Contribution of above mine in 2017-18:**

<b>Quantity (kg)</b>	-
<b>Percentage Share to All-India Production</b>	-

## IRON ORE AND CONCENTRATES

Items	Reserves	Remaining Resources	Total
A) Recoverable Reserves (Total) :	5475	27801	33276
(Million Tonnes) Hematite {1-4-2015}	5422	17065	22487
Magnetite {1-4-2015}	53	10736	10789
Life Index (Years) :			113
(Includes Hematite & Magnetite)			

B) Mining Leases as on 31-3-2018 :	No. of Leases	Lease Area
Iron Ore (Area in Hectares)	488	73556.93

C) Mines Reporting Production :

	No. of Mines		Production (Th. Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>318(12)</b>	<b>294(9)</b>	<b>194584</b>	<b>200955</b>
<b>Public Sector</b>	36	35	70359	71379
<b>Private Sector</b>	282(12)	259(9)	124225	129576
<b>Captive</b>	32	33	59457	60404
<b>Non-captive</b>	286(12)	261(9)	135127	140551
<b>'A' Category</b>	156(1)	154(1)	139158	139122
<b>'B' Category</b>	162(11)	140(8)	55426	61833
<b>STATES</b>				
Andhra Pradesh	22(1)	18	485	680
Chhattisgarh	17	17	33285	34546
Goa	82(1)	85(1)	9170	8040
Jharkhand	21	19	21224	21848
Karnataka	63	53	26483	28724
Madhya Pradesh	17(8)	15(5)	1771	2679
Maharashtra	16	15	1321	940
Odisha	66(2)	60(2)	99617	102177
Rajasthan	14	12	1128	1317
Telangana	-	(1)	-	4
<b>GRADES</b>				
<b>Lumps (Total)</b>			<b>65325</b>	<b>64981</b>
Below 55% Fe			2068	2166
55% to below 58% Fe			2058	2535
58% to below 60% Fe			4466	4786
60% to below 62% Fe			7939	6766
62% to below 65% Fe			32070	32136
65% Fe and above			16724	16592
<b>Fines (Total)</b>			<b>128100</b>	<b>135621</b>
Below 55% Fe			6030	7127
55% to below 58% Fe			15336	10807
58% to below 60% Fe			8510	10574
60% to below 62% Fe			17837	20621
62% to below 65% Fe			58703	64095
65% Fe and above			21684	22397
<b>Concentrates (Total)</b>			<b>1159</b>	<b>353</b>

D) Production Trend :

	2013-14	2014-15	2014-15	2016-17	2017-18(p)
<b>Quantity (Th. Tonnes)</b>	152183	129321	158108	194584	200955
<b>Value (Rs. '000)</b>	316491777	276636789	223206636	252291800	342628915

E) Closing Stock :	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Quantity (Th. Tonnes)	124378	123705	144498 <sup>#</sup>	148716	151468

F) Employment :

<b>Average Number of Persons Employed per Day</b>	45383	44949
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	38.93	40.45

( ): Figures in parentheses indicate additional mines associated with dolomite, laterite, limestone, manganese ore and Ochre.

# : Quantity excludes the stock taken over by the Govt. of Goa as per the Hon'ble Supreme Court order (435/2012).

\* : Only labour reported.

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Th. Tonnes)	107914	114680	126774	150216	154598

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity</b> (Th. Tonnes)	16302	7297	5441	30728	24380
<b>Value</b> (Rs. crore)	9481.11	3143.67	1263.96	10292.93	9490.14
<b>Percentage Share to the Value of Exports of All Minerals</b>	4.87	1.77	0.74	5.14	4.77
<b>Imports</b>					
<b>Quantity</b> (Th. Tonnes)	369	12093	7099	4607	8706
<b>Value</b> (Rs. crore)	342.36	6594.74	3197.14	2161.52	4229.40
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.03	0.62	0.43	0.27	0.41

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	<b>China P Rp</b>	<b>Japan</b>	<b>Korea Rp</b>	<b>Oman</b>	<b>Indonesia</b>	<b>Others</b>
<b>Quantity</b> (Th. Tonnes)	18602	2891	1125	388	273	1101
<b>Value</b> (Rs. crore)	7039.12	1224.22	580.92	227.77	71.86	346.34
<b>Imports</b>	<b>Australia</b>	<b>S. Africa</b>	<b>Brazil</b>	<b>Bahrain Is</b>	<b>Oman</b>	<b>Others</b>
<b>Quantity</b> (Th. Tonnes)	2866	2744	2178	526	290	102
<b>Value</b> (Rs. crore)	727.91	1541.13	1224.67	505.88	161.38	68.44

**J) Five Principal Iron ore Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Jajang	Vill. Jajang Distt. Keonjhar Odisha	Rungta Mines Ltd., 8A- Express Tower, 42A – Shakespeare Sarani, Kolkata – 700 017, West Bengal.
Joda East	Vill. Joda Distt. Keonjhar Odisha	Tata Steel Ltd., Bombay House, 24 Homi Mody Street, Fort, Mumbai – 400 001.
Balda Block	Vill. Balda Distt. Keonjhar Odisha	Serajjudinand Co., P-16, Bentink Street, Kolkata – 700 069, West Bengal.
Bailadila Iron Ore Mine Deposit No. 5	Vill. Bacheli Distt. Dantewada Chhattisgarh	National Mineral Development Corp. Ltd, Khanij Bhavan,10-3-311/A, Castle Hills, Masab Tank, Hyderabad – 500 028.
Katamati	Vill. Katamati Distt. Keonjhar Odisha	Tata Steel Ltd., Bombay House, 24 Homi Mody Street, Fort, Mumbai – 400 001.

**K) Contribution of above Mines in 2017-18 :**

<b>Quantity</b> (Th. Tonnes)	45972
<b>Percentage Share to All-India Production</b>	23



## KYANITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	688	104293	104981
<b>Life Index (Years)</b>	:		Very Large
B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	:	<b>No. of Leases</b> 28	<b>Lease Area</b> 1439.88

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	5	5	3253	7818
<b>Public Sector</b>	1	1	976	2318
<b>Private Sector</b>	4	4	2277	5500
<b>Non-captive</b>	5	5	3253	7818
<b>'B' Category</b>	5	5	3253	7818
<b>STATES</b>				
Karnataka	1*	1*	-	-
Maharashtra	4	4	3253	7818
<b>GRADES</b>				
40 % Al <sub>2</sub> O <sub>3</sub> & above			3253	7818
Below 40 % Al <sub>2</sub> O <sub>3</sub>			-	-

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Tonnes)</b>	3679	6255	2901	3253	7818
<b>Value (Rs. '000)</b>	8071	12185	14180	13458	23002

E) <b>Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Tonnes)		10032	14280	14519	12892	12340

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	69	63
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.06	0.06

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\*Only labour reported.

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	3000	3200	3100	3400 <sup>D</sup>	6600 <sup>D</sup>

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	52	39	144	153	166
<b>Value (Rs. crore)</b>	0.12	0.05	0.27	0.31	0.34
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	394	508	478	748	620
<b>Value (Rs. crore)</b>	1.37	1.70	1.69	1.66	1.78
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	<b>Greece</b>	<b>U. A. E.</b>	<b>Nepal</b>	<b>Kenya</b>	<b>Bangladesh</b>
<b>Quantity (Tonnes)</b>	140	16	6	3	1
<b>Value (Rs. crore)</b>	0.26	0.05	0.01	0.01	++
<b>Imports</b>	<b>USA</b>		<b>China P Rp</b>		
<b>Quantity (Tonnes)</b>	538		82		
<b>Value (Rs. crore)</b>	1.71		0.07		

**J) Kyanite Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Pavri Kyanite Mine (Jamdi)	Vill. Jamadi (Girola) Dist. Bhandara Maharashtra	Pavri Kyanite Mine, A-1 Indra sagar, Ravindranath Tagore Marg, Civil Lines, Nagpur – 440 001, Maharashtra.
Navargaon Chowa	Vill. Navargaon Dist. Bhandara Maharashtra	Maharashtra State Mining Corporation Ltd., Plot No. 7, Ajni Chowk, Wardha Road, Nagpur – 440 015, Maharashtra.

**J) Contribution of above Mines in 2017-18:**

<b>Quantity (Tonnes)</b>	7818
<b>Percentage Share to All-India Production:</b>	100

**D :** Despatches.

## LEAD AND ZINC CONCENTRATES

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2015</b> :			
(Th. Tonnes) a) Ore	106116	643343	749459
b) Lead metal	2482	10521	13004
c) Zinc metal	10000	26363	36363
<b>Life Index (Years) (Lead &amp; Zinc Ore):</b>			33
<b>B) Mining Leases as on 31-3-2018</b> :	<b>No. of Leases</b>		<b>Lease Area</b>
(Area in Hectares) (Lead & Zinc Ore)	11		6657.16
<b>C) Mines Reporting Production</b> :			

	No. of Mines		Production (Th. Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>India</b>	<b>8</b>	<b>8</b>		
Lead & Zinc Ore			<b>11881</b>	<b>12614</b>
Lead Concentrates			<b>268</b>	<b>306</b>
Zinc Concentrates			<b>1484</b>	<b>1540</b>
<b>Private Sector</b>	<b>8</b>	<b>8</b>		
Lead & Zinc Ore			11881	12614
Lead Concentrates			268	306
Zinc Concentrates			1484	1540
<b>Captive</b>	<b>8</b>	<b>8</b>		
Lead & Zinc Ore			11881	12614
Lead Concentrates			268	306
Zinc Concentrates			1484	1540
<b>'A' Category</b>	<b>8</b>	<b>8</b>		
Lead & Zinc Ore			11881	12614
Lead Concentrates			268	306
Zinc Concentrates			1484	1540

STATES	No. of Mines		Production (Th. Tonnes)					
	2016-17	2017-18(p)	2016-17			2017-18(p)		
			Qty.	Pb%	Zn%	Qty.	Pb%	Zn%
Rajasthan	8	8						
Lead & Zinc Ore			11881	1.80	7.48	12614	1.80	6.60
Lead Concentrates			268	56.28		306	56.73	
Zinc Concentrates			1484		50.92	1540		50.18

D) Production Trend :	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Th. Tonnes)</b>					
Lead & Zinc Ore	9282	9363	10453	11881	12614
Lead Concentrates	194	198	262	268	306
Zinc Concentrates	1491	1489	1474	1484	1540
<b>Value (Rs. '000)</b>					
Lead Concentrates	4372536	5640013	7885122	9669267	11429378
Zinc Concentrates	27389284	31572181	34943088	43385599	49799283

E) Closing Stock	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Quantity (Th. Tonnes)					
Lead & Zinc Ore	89	116	42	1028	237
Lead Conc.	2	12	10	8	33
Zinc Conc.	11	55	30	67	25

F) Employment		
Average Number of Persons Employed per Day		
	7337	8391
Percentage Share of Employment to Total for MCDR Minerals	6.29	7.55

**G) Domestic Consumption Trend : 2013-14 2014-15 2015-16 2016-17(r) 2017-18(p)**

Lead Concentrates (Th. Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.
Zinc Concentrates (Th. Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

Exports (Lead Ores & Concentrates)	2013-14	2014-15	2015-16	2016-17(r)	2017-18(p)
Quantity (Tonnes)	7	509	++	1	++
Value (Rs. crore)	0.02	2.23	0.02	++	0.01
<b>Exports (Zinc Ores &amp; Concentrates)</b>					
Quantity (Tonnes)	45660	41	558	53912	1206
Value (Rs. crore)	162.01	0.07	1.13	399.02	3.15
Percentage Share to Val. (Lead Ore & conc.)	++	++	++	++	++
of Exports of All Minerals(Zinc Ore & conc.)	0.08	++	++	0.20	++
<b>Imports (Lead Ores &amp; Concentrates)</b>					
Quantity (Tonnes)	33405	39441	5334	6217	2220
Value (Rs. crore)	388.09	384.68	26.47	31.87	14.94
<b>Imports (Zinc Ores &amp; Concentrates)</b>					
Quantity (Tonnes)	33113	35696	385	1771	--
Value (Rs. crore)	156.23	169.38	1.87	8.66	--
Percentage Share to Val. (Lead Ore & conc.)	0.03	0.04	++	++	++
of Imports of All Minerals(Zinc Ore & conc.)	0.01	0.02	++	++	--

**I) Exports/Imports by Country in 2017-18 :**

Exports (Lead ores & conc.)	Australia		S. Africa		U S A	
Quantity (Tonnes)	++		++		++	
Value (Rs. crore)	++		++		++	
Exports (Zinc ores & conc.)	China P Rp		Canada		Germany	
Quantity (Tonnes)	1206		++		++	
Value (Rs. crore)	3.15		++		++	
Imports (Lead ores & conc.)	Turkey	UAE	S. Arab	Yemen Rep	Estonia	Others
Quantity (Tonnes)	334	315	312	258	248	753
Value (Rs. crore)	1.97	3.44	2.15	1.49	1.13	4.75
Imports (Zinc ores & conc.)	-					
Quantity (Tonnes)	-					
Value (Rs. crore)	-					

**J) Principal Lead & Zinc Mines in 2017-18:**

Name of Mine	Location of Mine	Address of Mine Owner
Sindesar Khurd	Vill. Sindesar Khurd Distt. Rajsamand Rajasthan	Hindustan Zinc Ltd, Yashad Bhawan, Udaipur, Rajasthan – 313 004.
Rampura Agucha	Vill. Agucha Distt. Bhilwara Rajasthan	
Kayar	Vill. Kayar Distt. Ajmer Rajasthan	
Rajpura Dariba	Vill. Rajpura Dariba Distt. Rajsamand Rajasthan	
Baroi	Vill. Zawar Distt. Udaipur Rajasthan	

**K) Contribution of above Mines in 2017-18 :**

Quantity (Th. Tonnes)	11151
Percentage share to all India Production	88.41

## LIME SHELL

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b>	N.A.	N.A.	N.A.

**Life Index (Years)** : (Included in Limestone)

B) <b>Mining Leases as on 31-3-2018</b>	<b>No. of Leases</b>	<b>Lease Area</b>
(Area in Hectares)	24	2779.88

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>7</b>	<b>5</b>	<b>12344</b>	<b>10893</b>
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	7	5	12344	10893
<b>Captive</b>	-	-	-	-
<b>Non-captive</b>	7	5	12344	10893
<b>'A' Category</b>	1	1	2963	4714
<b>'B' Category</b>	6	4	9381	6179
<b>STATES</b>				
Karnataka	2	1	4003	760
Kerala	4	4	8341	10133
Tamilnadu	1*	-	-	-

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Tonnes)</b>	18750	16353	10353	12344	10893
<b>Value (Rs. '000)</b>	35162	37137	28613	34774	39593

E) <b>Closing Stock</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	2341	2468	996	2719	2962

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	483	478
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.41	0.43

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\*Only labour reported.

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	
<b>Quantity (Tonnes)</b>	-
<b>Value (Rs. crore)</b>	-
<b>Imports</b>	
<b>Quantity (Tonnes)</b>	-
<b>Value (Rs. crore)</b>	-

**J) Principal Lime Shell Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Vembanad Lake	Vill. Vaikom, Distt. Kottayam Kerala	The Vaikom Limeshell Co-Operative Society Ltd., No. 3145, P.O. Pallippurathussery, Vaikom – 686 606, Distt. Kottayam, Kerala.
Mannancherry 4.9-H	Vill. Mannancherry Distt. Alappuzha Kerala	Muhamma Clam Marketing Society Ltd., Vill. Thanneermukom South, Taluk: Cherthala, Distt. Alappuzha, Kerala – 688 525.
Thanneermukkam 500H	Vill. Thanneermukkam Distt. Alappuzha Kerala	Karappuram White Limeshell Vyavasaya Co-Op. Society Ltd., Muhamma, Taluk: Cherthala, Distt. Alappuzha, Kerala – 688 525.
Kanasgeri	Vill. Kanasgeri Dist. North Kanara Karnataka	Suresh P Pednekar, Gongotri Ashram Road, Karwar, Dist. North Kanara, Karnataka – 581 301.
Kumarakom	Vill. Kumarakom Distt. Kottayam Kerala	Vaikom Taluk White Limeshell Co-Op. Society, Ltd., No. K.357, Ambika Market (P.O.) Vaikom, Distt. Kottayam, Kerala – 686 144.

**K) Contribution of above Mines in 2017-18 :**

<b>Quantity (Tonnes)</b>	10893
<b>Percentage Share to All-India Production</b>	100

## LIMESTONE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> :	16336	186889	203225
(Million Tonnes)			
<b>Life Index (Years)</b> :			207
(Includes Lime kankar & Lime shell)			
B) <b>Mining Leases as on 31-3-2018</b> :	<b>No. of Leases</b>		<b>Lease Area</b>
(Area in Hectares)	2046		164533.57
C) <b>Mines Reporting production</b> :			

	No. of mines		Production ( in Th. Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>832(4)</b>	<b>711(4)</b>	<b>314669</b>	<b>338552</b>
<b>Public Sector</b>	27	26	10541	11111
<b>Private Sector</b>	805(4)	685(4)	304128	327441
<b>Captive</b>	401	390	297272	321285
<b>Non-Captive</b>	431(4)	321(4)	17397	17267
<b>“A” Category</b>	236	242	242144	260137
<b>“B” Category</b>	596(4)	469(4)	72525	78415
<b>STATES</b>				
Andhra Pradesh	79(1)	80(1)	35515	38909
Assam	3	3	1594	1432
Chhattisgarh	77	69	32156	36352
Gujarat	117(1)	106(1)	25813	24948
Himachal pradesh	21	20	11009	11500
Jammu & Kashmir	10	13	1032	1262
Jharkhand	10	5	1146	1191
Karnataka	69	66	29751	30052
Madhya Pradesh	127(1)	142(1)	36164	42744
Maharashtra	18	16	12124	14152
Meghalaya	13	18	5095	6593
Odisha	7(1)	7(1)	4752	4968
Rajasthan	35	34	66906	74036
Tamil Nadu	213	98	23670	20277
Telangana	29	30	24720	27250
Others	4	4	3222	2886
<b>GRADES</b>				
Cement			303854	327031
LD, SMS & BF			6430	7763
Chemical			4385	3758

**D) Production Trend :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity</b> (Th. Tonnes)	280863	293273	307001	314669	338552
<b>Value</b> ( Rs. '000 )	51332006	58000375	68673970	73878426	74407420

**E) Closing Stock :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Quantity (Th. Tonnes)	12404	13077	12633	14615	15218

**F) Employment :**

Average Number of Persons Employed per Day	23892	20239
Percentage Share of Employment to Total for MCDR Minerals	20.5	18.21

( ): Figures in parentheses indicate associated mines with chalk, dolomite and shale.

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Th. Tonnes)	244265	266432	294263	274799	288427

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity</b> (Th. Tonnes)	2779	3813	3236	4330	2812
<b>Value</b> (Rs. crore)	343.23	467.20	469.43	499.01	410.23
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.18	0.26	0.27	0.25	0.21
<b>Imports</b>					
<b>Quantity</b> (Th. Tonnes)	13214	13944	17187	18300	20828
<b>Value</b> (Rs. crore)	2158.04	2213.86	2377.28	2438.42	2901.64
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.18	0.21	0.32	0.30	0.28

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	<b>Bangladesh</b>	<b>UK</b>	<b>Bhutan</b>	<b>Nepal</b>	<b>France</b>	<b>Others</b>
<b>Quantity</b> (Th. Tonnes)	2659	62	21	13	7	49
<b>Value</b> (Rs. crore)	245.80	70.33	17.69	6.92	8.13	61.38
<b>Imports</b>	<b>UAE</b>	<b>Oman</b>	<b>Vietnam Soc Rep.</b>	<b>Malaysia</b>	<b>Iran</b>	<b>Others</b>
<b>Quantity</b> (Th. Tonnes)	16240	2729	767	685	119	287
<b>Value</b> (Rs. crore)	1914.31	443.70	167.69	271.42	12.87	91.65

**J) Five Principal Limestone Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Nimbeti	Vill. Nimbeti Distt. Pali Rajasthan	Shree Cement Limited, Post Box No. 33, Bangur nagar, Beawar – 305 901, Ajmer, Rajasthan.
Aditya	Vill. Near Medika Amarana Distt. Chittorgarh Rajasthan	UltraTech Cement Limited, B Wing, 2nd floor Ahura Centre, Mahakali Caves Road, Andheri (E), Mumbai – 400 093, Maharashtra.
Lakshmi Cement	Vill. Basantgarh Distt. Sirohi Rajasthan	JK Lakshmi Cement Limited, J K Puram, Basantgarh Pindwara– 307 019. Sirohi, Rajasthan.
Rajashree Cement	Vill. Adityanagar Distt. Gulbarga Karnataka	UltraTech Cement Limited, B Wing, Ahura Centre, 2nd floor Mahakali Caves Road, Andheri (E),
Bhatkotri	Vill. Nimbahera Distt. Chittorgarh Rajasthan	Wonder Cement Limited R. K. Nagar, Nimbahera –312 601, Chittorgarh, Rajasthan.

**K) Contribution of above mines in 2017-18**

**Quantity** (Th. Tonnes) 48465

**Percentage share to all India production** 14



## MAGNESITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	82276	311711	393988
<b>Life Index</b> (Years)	:		Very large

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	:	<b>No. of Leases</b> 38	<b>Lease Area</b> 2434.05
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C) **Mines Reporting Production** :

	No. of Mines		Production (Th. Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>19</b>	<b>9</b>	<b>299</b>	<b>195</b>
<b>Public Sector</b>	4	3	163	117
<b>Private Sector</b>	15	6	136	78
<b>Captive</b>	4	3	169	118
<b>Non-captive</b>	15	6	130	77
<b>'A' Category</b>	8	7	240	169
<b>'B' Category</b>	11	2	59	26
<b>STATES</b>				
Karnataka	2	2	8	8
Tamil Nadu	14	4	224	123
Uttarakhand	3	3	67	64

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity</b> (Th.Tonnes)	197	285	328	299	195
<b>Value</b> (Rs. '000)	445622	748792	827072	749297	503919

E) <b>Closing Stock:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Th. Tonnes)	63	61	66	83	78

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	1331	893
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	1.14	0.80

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Th. Tonnes)	343	275	265	230	200 <sup>P</sup>

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	6118	6612	6204	8065	9553
<b>Value (Rs. crore)</b>	12.75	12.09	12.45	13.52	18.86
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.01	0.01	0.01	0.01	0.01
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	66001	102080	11878	142599	229630
<b>Value (Rs. crore)</b>	221.69	332.78	325.68	308.99	526.87
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.02	0.03	0.04	0.04	0.05

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	<b>Iran</b>	<b>Malaysia</b>	<b>Singapore</b>	<b>UAE</b>	<b>Bangladesh</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	2633	1958	750	662	562	2988
<b>Value (Rs. crore)</b>	1.91	1.39	3.50	0.99	1.49	9.58
<b>Imports</b>	<b>China P Rp</b>	<b>Pakistan</b>	<b>Turkey</b>	<b>Ireland</b>	<b>UAE</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	75539	42992	35825	30928	19598	24748
<b>Value (Rs. crore)</b>	221.31	17.45	81.19	106.46	3.85	96.61

**J) Five Principal Magnesite Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Arasu	Vill. Thathiengarpatti Distt. Salem Tamil Nadu	Tamil Nadu Magnesite Ltd, 5/53, Omalur Main Road, Jagirammalayam, Distt. Salem – 636 302, Tamil Nadu.
Jhiroli	Vill. Jhiroli Distt. Bageshwar Uttarakhand	Almora Magnesite Ltd, Village Matela, P.O. Billori, Distt. Bageshwar – 263 630, Uttarakhand.
Sri Ponguru	Vill. Jagir Ammapalayam Distt. Salem Tamil Nadu	S. Sundararajan. 5/22-A, Periyakollapatti, Kannankuruchi, Post-Gorimedu, Salem – 636 008, Tamil Nadu.
Dundu	Vill. Dundu & Talli Sangri Distt. Pithoragarh Uttarakhand	N.B. Minerals Corporation, 6/575 Nawabi Road, Haldwani, Nainital – 263 139, Uttarakhand.
Kondappanaickanpatty	Vill. Kondappanaickanpatty Distt. Salem Tamil Nadu	M/s India Magnesia Product Ltd., No. 11/239, Ramakrishna Road, Balaji Towers, 3rd floor, Salem – 636 007, T. N.

**K) Contribution of above Mines in 2017-18 :**

<b>Quantity (Th. Tonnes)</b>	176
<b>Percentage Share to All-India Production</b>	90

**D : Despatches.**

## MANGANESE ORE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b>	93475	402399	495874
(Th. Tonnes)			
<b>Life Index (Years)</b>	:		139
B) <b>Mining Leases as on 31-3-2018</b>	:	<b>No. of Leases</b>	<b>Lease Area</b>
(Area in Hectares)		291	14553.37
C) <b>Mines Reporting Production</b>	:		

	No. of Mines		Production (Th. Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>153(12)</b>	<b>143(11)</b>	<b>2395</b>	<b>2589</b>
<b>Public Sector</b>	24	23	1052	1222
<b>Private Sector</b>	129(12)	120(11)	1343	1367
<b>Captive</b>	9(1)	10(1)	237	249
<b>Non-captive</b>	144(11)	133(10)	2158	2340
<b>'A' Category</b>	28(3)	29(2)	1880	1995
<b>'B' Category</b>	125(9)	114(9)	515	594
<b>STATES</b>				
Andhra Pradesh	26	24	232	167
Karnataka	9(1)	9(2)	261	295
Madhya Pradesh	48(7)	41(4)	650	831
Maharashtra	19	24	604	731
Odisha	32(4)	31(4)	588	517
Others	19	14(1)	60	48
<b>GRADES</b>				
MnO <sub>2</sub>			28	16
Above 46% Mn			228	259
35-46% Mn			554	596
25-35% Mn			1176	1283
Below 25% Mn			409	435

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Th. Tonnes)</b>	2626	2369	2167	2395	2589
<b>Value (Rs. '000)</b>	15181757	13661799	8545511	16248429	19717529

E) **Closing Stock** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Quantity (Th. Tonnes)	726	1114	1317	1218	1941

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	12505	12444
<b>Percentage Share of Employment to Total for MCDR Mineral</b>	10.73	11.20

( ) : Figures in parenthesis indicates additional mines associated with iron ore, laterite, limestone and quartz.

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Th. Tonnes)	4184	4439	3334	2868	2654

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity</b> (Th. Tonnes)	66	11	0.4	0.2	44
<b>Value</b> (Rs. crore)	18.93	6.54	1.89	1.24	50.88
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.01	++	++	++	0.03
<b>Imports</b>					
<b>Quantity</b> (Th. Tonnes)	2179	3173	2217	1908	3567
<b>Value</b> (Rs. crore)	2830.63	3466.91	1741.37	2402.81	5603.20
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.23	0.32	0.24	0.30	0.49

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	<b>China P Rp</b>	<b>Netherland</b>	<b>Turkey</b>	<b>Chile</b>	<b>Uganda</b>	<b>Others</b>
<b>Quantity</b> (Tonnes)	43800	167	72	45	32	51
<b>Value</b> (Rs. crore)	49.04	0.93	0.41	0.28	0.04	0.17
<b>Imports</b>	<b>S. Africa</b>	<b>Australia</b>	<b>Gabon</b>	<b>Ivory Coast</b>	<b>Brazil</b>	<b>Others</b>
<b>Quantity</b> (Th. Tonnes)	2058	482	476	248	210	92
<b>Value</b> (Rs. crore)	2588.96	925.49	680.24	408.97	313.43	146.12

**J) Five Principal Manganese Ore Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Dongribuzurg	Vill. Balapur Hamesha Distt. Bhandara Maharashtra	MOIL Ltd., Moil Bhavan, 1 A – Katol Road, Chhaoni, Nagpur – 440 013, Maharashtra.
Balaghat	Vill. Bharweli Distt. Balaghat Madhya Pradesh	MOIL Ltd., Moil Bhavan, 1 A – Katol Road, Chhaoni, Nagpur – 440 013, Maharashtra.
SMIORE	Vill. Deogiri Distt. Bellary Karnataka	SMIORE Ltd., No. 9, Bellary Road, Sadashivanagar, Bangalore – 560 080, Karnataka.
Chikla	Vill. Sitasaongi Distt. Bhandara Maharashtra	MOIL Ltd, Moil Bhavan, 1 A – Katol Road, Chhaoni, Nagpur – 440 013, Maharashtra.
Mansakra	Vill. Mansakra Distt. Jabalpur Madhya Pradesh	M/s. Suryavansham Mining & Minerals (P) Ltd., 67/2 Patrakar Colony, Indore – 452 001, Madhya Pradesh.

**K) Contribution of above Mines in 2017-18 :**

<b>Quantity</b> (Th. Tonnes)	1154
<b>Percentage Share to All-India Production</b>	45

## MARL

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	123856	11705	135561
<b>Life Index (Years)</b>			54

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	<b>No. of Leases</b> 3	<b>Lease Area</b> 13.45
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C) **Mines Reporting Production** :

	No. of Mines		Production (Th. Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	(5)	(4)	<b>2204</b>	<b>1823</b>
<b>Private Sector</b>	(5)	(4)	2204	1823
<b>Captive</b>	(5)	(4)	2204	1823
<b>'A' Category</b>	(5)	(4)	2204	1823
<b>STATES</b>				
Gujarat	(5)	(4)	2204	1823
Tamil Nadu	-	-	-	-

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity</b> ( Th. Tonnes)	3254	2179	2390	2204	1823
<b>Value</b> ( Rs. '000 )	280571	257598	319957	317886	285095

E) <b>Closing Stock:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Th. Tonnes)	1263	1022	1227	1321	1178

F) **Employment** :

<b>Average Number of Persons Employed per Day*</b>	-	-
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	-	-

( ) : Figures in parentheses indicate mines associated with limestone.

\*: Associated with Limestone.

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

	2013-14	2014-15	2015-16	2016-17(r)	2017-18(p)
<b>Exports</b>					
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	
Quantity (Tonnes)	-
Value (Rs. crore)	-
<b>Imports</b>	
Quantity (Tonnes)	-
Value (Rs. crore)	-

**J) Five Principal Marl Mines in 2017-18:**

Name	Location of Mine	Name & address of Mine owner
Kovaya *	Vill. Kovaya Distt. Amreli Gujarat	Ultratech Cement Ltd, 'B' Wing, 2 <sup>nd</sup> floor, Ahura Center, Mahakali Caves Road, Andheri (E), Mumbai – 400 093.
Narmada *	Vill. Babarkot Distt. Amreli Gujarat	Ultratech Cement Ltd, 'B' Wing, 2 <sup>nd</sup> floor, Ahura Center, Mahakali Caves Rd, Andheri (E), Mumbai – 400 093.
Adityana *	Vill. Adityana Distt. Porbandar Gujarat	Saurashtra Cement Ltd., N.K. Mehta International House, 178-Backbay Reclamation, Mumbai – 400 020.
Vadnagar *	Vill. Vadnagar Distt. Junagarh Gujarat	Ambuja Cements Ltd., Elegant Business Park, MIDC Cross Road 'B' Off Andheri-Kurla Road, Andheri (E) Mumbai – 400 059.

**K) Contribution of above mines in 2017-18**

<b>Quantity (Th. Tonnes)</b>	1823
<b>Percentage share to all India production</b>	100

\* Associated with limestone.

## MOULDING SAND

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	N.E.	N.E.	N.E.
<b>Life Index (Years)</b>			N.E.

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	<b>No. of Leases</b>	<b>Lease Area</b>
	8	37.02

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18	2016-17	2017-18 (p)
<b>INDIA</b>	<b>4</b>	<b>4</b>	<b>27685</b>	<b>7097</b>
<b>Private Sector</b>	4	4	27685	7097
<b>Non-Captive</b>	4	4	27685	7097
<b>'B' Category</b>	4	4	27685	7097
<b>STATES</b>				
Chhattisgarh	4	4	27685	7097

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18 (p)
<b>Quantity (Tonnes)</b>	29963	6383	26042	27685	7097
<b>Value ( Rs. '000 )</b>	4877	1671	6117	6623	1793

E) <b>Closing Stock</b>	<b>: 2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	2741	411	1148	6241	261

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	31	21
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.03	0.02

<b>G) Domestic Consumption Trend</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)		47500	47500	47500	N.A.	N.A.

**H) Exports/Imports Trend:**

	2013-14	2014-15	2015-16	2016-17(r)	2017-18(p)
<b>Exports</b>					
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	
Quantity (Tonnes)	-
Value (Rs. crore)	-
<b>Imports</b>	
Quantity (Tonnes)	-
Value (Rs. crore)	-

**J) Moulding Sand Mines in 2017-18:**

Name	Location of Mine	Name & address of Mine owner
Karhidih	Vill. Karhidih, Distt. Durg Chhattisgarh.	Marendra Kumar Seksaria, 271, Ramdev Mandir, Ward 35, Ganjpara, Durg – 491 001, Chhattisgarh.
Thanaud	Vill. Thanaud, Distt. Durg, Chhattisgarh.	Deepak Kumar Gupta, 97-A, Plot 10,11, Nehru Nagar (East), Bhilai, Durg – 490 020, Chhattisgarh.
Barregaon	Vill. Barregaon, Distt. Rajnandgaon, Chhattisgarh.	Smt. Sujata Dakliya, House No: 19/132, P.O.-Sahadeo Nagar, Rajnandgaon – 491 441, Chhattisgarh.
Amti	Vill. Amti, Distt. Durg Chhattisgarh	Bimal Kumar Seksaria, 271, Ramdev Mandir, Ward 35, Ganjpara, Durg– 491 001, Chhattisgarh.

**K) Contribution of above mines in 2017-18**

<b>Quantity (Tonnes)</b>	7097
<b>Percentage share to all India production</b>	100



## PERLITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	-	2406	2406

**Life Index (Years)** : N.E.

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	<b>No. of Leases</b>	<b>Lease Area</b>
	1	144.88

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	-	-	-	-
<b>Private Sector</b>	-	-	-	-
<b>Non-captive</b>	-	-	-	-
<b>'B' Category</b>	-	-	-	-
<b>STATE</b>				
Gujarat	-	-	-	-

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) <b>Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Tonnes)		-	-	-	-	-

F) **Employment** :

**Average Number of Persons Employed per Day** : - -

**Percentage Share of Employment to Total for MCDR Minerals** : - -

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity</b> (Tonnes)	-	-	-	-	-
<b>Value</b> (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity</b> (Tonnes)	-	-	-	-	-
<b>Value</b> (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	
<b>Quantity</b> (Tonnes)	-
<b>Value</b> (Rs. crore)	-
<b>Imports</b>	
<b>Quantity</b> (Tonnes)	-
<b>Value</b> (Rs. crore)	-

**J) Perlite Mines in 2017-18:** Nil

**K) Contribution of above mine in 2017-18:**

<b>Quantity</b> (Tonnes)	-
<b>Percentage Share to All-India Production</b>	-

## PHOSPHORITE/ROCK PHOSPHATE

<b>Items</b>		<b>Reserves</b>	<b>Remaining Resources</b>	<b>Total</b>
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	:	45808	266871	312679
<b>Life Index (Years)</b>	:			83
B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	:	<b>No. of Leases</b>		<b>Lease Area</b>
		10		2057.52
C) <b>Mines Reporting Production</b>	:			

	<b>No. of Mines</b>		<b>Production (Th. Tonnes)</b>	
	<b>2016-17</b>	<b>2017-18(p)</b>	<b>2016-17</b>	<b>2017-18(p)</b>
<b>INDIA</b>	<b>6</b>	<b>6</b>	<b>1124</b>	<b>1534</b>
<b>Public Sector</b>	4	4	1034	1486
<b>Private Sector</b>	2	2	90	48
<b>Captive</b>	1	1	81	48
<b>Non Captive</b>	5	5	1043	1486
<b>'A' Category</b>	4	4	1058	1507
<b>'B' Category</b>	2	2	66	27
<b>STATES</b>				
Madhya Pradesh	4	4	150	113
Rajasthan	2	2	974	1421
<b>GRADES</b>				
Above 30% P <sub>2</sub> O <sub>5</sub>			585	770
Above 25% to 30% P <sub>2</sub> O <sub>5</sub>			9	26
Above 20% to 25% P <sub>2</sub> O <sub>5</sub>			67	7
Upto 20% P <sub>2</sub> O <sub>5</sub>			463	731

**D) Production Trend :**

	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
<b>Quantity (Th. Tonnes)</b>	1454	1607	1572	1124	1534
<b>Value (Rs. '000)</b>	4754755	3759071	3763823	2996711	3771584

**E) Closing Stock :**

	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Th. Tonnes)	1802	2356	2568	2490	2736

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>					
				1222	1192
<b>Percentage Share of Employment to Total for MCDR Minerals</b>				1.05	1.07

**G) Domestic Consumption Trend :** 2013-14 2014-15 2015-16 2016-17(r) 2017-18(p)  
Quantity (Th. Tonnes) (Apatite & Rock Phosphate) 4238 4340 4442 1994 9236<sup>(@)</sup>

**H) Exports/Imports Trend :**

Exports (Rock Phosphate)	2013-14	2014-15	2015-16	2016-17(r)	2017-18(p)
Quantity (Tonnes)	948	437	14242	5915	395
Value (Rs. crore)	0.70	0.29	6.91	0.86	0.06
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
Imports (Rock Phosphate)	2013-14	2014-15	2015-16	2016-17(r)	2017-18(p)
Quantity (Th. Tonnes)	7161	8273	8038	7511	7703
Value (Rs. crore)	5517.79	6188.87	6529.04	4951.31	4545.70
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.45	0.58	0.88	0.61	0.44

**I) Exports/Imports by Country in 2017-18 :**

Exports (Rock Phosphate)	Bangladesh		UAE		Nepal	
Quantity (Tonnes)	382		9		4	
Value (Rs. crore)	0.03		0.01		0.02	
Imports (Rock Phosphate)	Jordan	Egypt A Rp	Morocco	Togo	Peru	Others
Quantity (Th. Tonnes)	3105	1839	1584	445	376	354
Value (Rs. crore)	1981.99	703.58	1104.20	321.05	223.43	211.44

**J) Principal Phosphorite Mines in 2017-18 :**

Name of Mine	Location of Mine	Address of Mine Owner
Jhamarkotra	Vill. Jhamarkotra Distt. Udaipur Rajasthan	Rajasthan State Mines & Minerals Ltd., C – 89/90, Janpathlal, Kothi Scheme, Jaipur – 302015, Rajasthan.
Luhani	Vill. Luhani Distt. Chhatarapur Madhya Pradesh	M/s. Khajuraho Stones(India) Pvt. Ltd, Sagar Road Dhadari, Distt. Chhatarapur – 471 001, Madhya Pradesh.
Kachaldara	Vill. Kachaldara Distt. Jhabua Madhya Pradesh	M. P. State Mining Corpn. Ltd., Block A, 2 <sup>nd</sup> Floor, Paryawas Bhawan, Jail Road, Arera Hills, Bhopal – 462 011, M. P.
Hirapur(Tigoda)	Vill. Tigoda Distt. Sagar Madhya Pradesh	M. P. State Mining Corpn. Ltd., Block A, 2 <sup>nd</sup> Floor, Paryawas Bhawan, Jail Road, Arera Hills, Bhopal – 462 011, M. P.
Maddeora	Vill. Maddeora Distt. Chhatarapur Madhya Pradesh	M. P. State Mining Corpn. Ltd, Block A, 2 <sup>nd</sup> Floor, Paryawas Bhawan, Jail Road, Arera Hills, Bhopal – 462 011, M. P.

**K) Contribution of above Mines in 2017-18**

**Quantity** (Th. Tonnes) 1534  
**Percentage Share to All-India Production** 100

(@) : Apparent consumption.

## PYRITES

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Million Tonnes)	-	1674	1674

**Life Index (Years)** : N.E.

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	No. of Leases	Lease Area
	N.A	N.A

**C) Mines Reporting Production :**

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	-	-	-	-
<b>Public Sector</b>	-	-	-	-
<b>Captive</b>	-	-	-	-
<b>'A' Category</b>	-	-	-	-
<b>STATE</b>				
Bihar	-	-	-	-

**D) Production Trend :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) <b>Closing Stock</b>	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Quantity (Tonnes)	-	-	-	-	-

**F) Employment :**

**Average Number of Persons Employed per Day** : -

**Percentage Share of Employment to Total for MCDR Minerals** : -

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity</b> (Tonnes)	-	-	-	-	-
<b>Value</b> (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity</b> (Tonnes)	-	-	-	-	-
<b>Value</b> (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	
<b>Quantity</b> (Tonnes)	-
<b>Value</b> (Rs. crore)	-
<b>Imports</b>	
<b>Quantity</b> (Tonnes)	-
<b>Value</b> (Rs. crore)	-

**J) Pyrites Mines in 2017-18:** Nil

**K) Contribution of above Mine in 2017-18:**

<b>Quantity</b> (Tonnes)	-
<b>Percentage Share to All-India Production</b>	-

## RUBY

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (kg)	:	-	5349
			5349

Life Index (Years) : N.E.

B) Mining Leases as on 31-3-2018 (Area in Hectares)	:	No. of Leases	Lease Area
		1	27.66

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	----- No Production reported -----			
<b>Public Sector</b>	- do -			
<b>Non-Captive</b>	- do -			
<b>'B' Category</b>	- do -			
<b>STATE</b>				
Odisha	- do -			

D) Production Trend :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) Closing Stock	:	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Quantity (kg)		-	-	-	-	-

F) Employment :

Average Number of Persons Employed per Day	-	-
Percentage Share of Employment to Total for MCDR Minerals	-	-

**G) Domestic Consumption Trend** : **2013-14** **2014-15** **2015-16** **2016-17(r)** **2017-18(p)**  
Quantity (kg) N.A. N.A. N.A. N.A. N.A.

**H) Exports/Imports Trend** :

<b>Exports (Ruby &amp; Sapphire Uncut)</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (tonnes)</b>	7	++	12	++	3
<b>Value (Rs. crore)</b>	19.45	12.68	5.17	38.99	58.62
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.01	0.01	++	0.02	0.03
<b>Imports (Ruby &amp; Sapphire Uncut)</b>					
<b>Quantity (tonnes)</b>	66	42	24	11	29
<b>Value (Rs. crore)</b>	242.85	389.04	1057.84	1166.65	2478.59
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.02	0.04	0.14	0.14	0.24

**I) Exports/Imports by Country in 2017-18** :

<b>Exports(Ruby &amp; Sapphire Uncut)</b>	<b>Thailand</b>	<b>Hong Kong</b>	<b>Belgium</b>	<b>France</b>	<b>Israel</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	2	1	++	++	++	++
<b>Value (Rs. crore)</b>	2.66	5.24	0.05	0.02	0.15	50.51
<b>Imports(Ruby &amp; Sapphire Uncut)</b>	<b>Thailand</b>	<b>Hong Kong</b>	<b>Madagascar</b>	<b>Kenya</b>	<b>Mozambique</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	13	9	2	1	1	3
<b>Value (Rs. crore)</b>	29.58	1584.41	221.45	0.47	108.73	533.95

**J) Ruby Mines in 2017-18** : Nil

**K) Contribution of above Mine in 2017-18:**

**Quantity (kg)** -  
**Percentage Share to All-India Production** -

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++ : Negligible



## SALT (Rock)

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. tonnes)	-	16025	16025

**Life Index (Years)** : N.E.

B) <b>Mining Leases as on 31-3-2018:</b> (Area in Hectares)	No. of Leases	Lease Area
	1	8.12

**C) Mines Reporting Production :**

	No. of Mines		Production (tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	1*	1	-	47
<b>Public Sector</b>	1*	1	-	47
<b>Non-captive</b>	1*	1	-	47
<b>'B' Category</b>	1*	1	-	47
<b>STATE</b>				
Himachal Pradesh	1*	1	-	47

**D) Production Trend :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (tonnes)</b>	-	-	-	-	47
<b>Value (Rs. '000)</b>	-	-	-	-	263

<b>E) Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (tonnes)		-	-	-	-	1

**F) Employment :**

Average Number of Persons Employed per Day		14	26
Percentage Share of Employment to Total for MCDR Minerals		0.01	0.02

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\* : Only labour reported.

**G) Domestic Consumption Trend** : 2013-14 2014-15 2015-16 2016-17(r) 2017-18(p)  
Quantity (tonnes) N.A. N.A. N.A. N.A. N.A.

**H) Exports/Imports Trend** :

<b>Exports (Salts (other than common salt))</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Th. tonnes)</b>	4957	4776	5927	7898	9970
<b>Value (Rs. crore)</b>	656.29	639.07	670.12	745.08	940.27
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.34	0.36	0.39	0.37	0.47
<b>Imports (Salts (other than common salt))</b>					
<b>Quantity (tonnes)</b>	35591	41300	55642	52901	67555
<b>Value (Rs. crore)</b>	12.10	11.36	17.37	17.37	29.18
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	<b>China P Rp</b>	<b>Korea Rp</b>	<b>Japan</b>	<b>Bangladesh</b>	<b>Qatar</b>	<b>Others</b>
<b>Quantity (Th. tonnes)</b>	5332	1107	908	845	513	1265
<b>Value (Rs. crore)</b>	498.46	91.28	76.06	67.33	59.30	147.85
<b>Imports</b>	<b>Pakistan</b>	<b>UK</b>	<b>Thailand</b>	<b>Germany</b>	<b>USA</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	66329	344	335	290	85	172
<b>Value (Rs. crore)</b>	19.89	0.47	0.79	2.32	4.98	0.72

**J) Salt (Rock) Mines in 2017-18** :

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Drang	Vill. Drang Distt. Mandi Himachal Pradesh	M/s Hindustan Salts Ltd., B-427, Pradhan Marg Malviya Nagar, Jaipur – 302 017, Rajasthan.

**K) Contribution of above Mines in 2017-18:**

**Quantity (tonnes)** 47  
**Percentage Share to All-India Production** 100

## SELENITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015	: N.A.	N.A.	N.A.
Life Index (Years)	:		N.E.

B) Mining Leases as on 31-3-2018	:	No. of Leases	Lease Area
(Area in Hectares)		N.A.	N.A.

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>3</b>	<b>4</b>	<b>4328</b>	<b>469</b>
<b>Public Sector</b>	3	3	4328	469
<b>Private Sector</b>	-	1	-	-
<b>Non-captive</b>	3	4	4328	469
<b>'A' Category</b>	-	1	-	-
<b>'B' Category</b>	3	3	4328	469
<b>STATE</b>				
Rajasthan	3	4	4328	469

D) Production Trend :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (tonnes)</b>	531	207	3103	4328	469
<b>Value (Rs. '000)</b>	706	456	6206	8656	939

E) Closing Stock	:	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Quantity (tonnes)		-	-	-	-	-

F) Employment :

Average Number of Persons Employed per Day	24	18
Percentage Share of Employment to Total for MCDR Minerals	0.02	0.02

<b>G) Domestic Consumption Trend</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity (tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	
<b>Quantity (tonnes)</b>	-
<b>Value (Rs. crore)</b>	-
<b>Imports</b>	
<b>Quantity (tonnes)</b>	-
<b>Value (Rs. crore)</b>	-

**J) Selenite Mine in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Thob-1	Vill. Thob Distt. Barmer Rajasthan	Rajasthan State Mines & Minerals Ltd, C-89-90, Janpath, Lal Kothi Scheme, Jaipur – 302 015, Rajasthan.

**K) Contribution of above Mines in 2017-18 :**

<b>Quantity (tonnes)</b>	469
<b>Percentage Share to All-India Production</b>	100

## SILICEOUS EARTH

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. tonnes)	-	-	NA

**Life Index (Years)** : N.E.

B) <b>Mining Leases as on 31-3-2018:</b> (Area in Hectares)	<b>No. of Leases</b> 44	<b>Lease Area</b> 314.03
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C) **Mines Reporting Production** :

	No. of Mines		Production (tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>16</b>	<b>12</b>	<b>77270</b>	<b>58875</b>
<b>Private Sector</b>	16	12	77270	58875
<b>Captive</b>	1	1	6205	8295
<b>Non-captive</b>	15	11	71065	50580
<b>'A' Category</b>	1	1	1950	1700
<b>'B' Category</b>	15	11	75320	57175
<b>STATE</b>				
Rajasthan	16	12	77270	58875

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (tonnes)</b>	-	-	47386	77270	58875
<b>Value (Rs. '000)</b>	-	-	20735	55340	57457

E) <b>Closing Stock</b>	:	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Quantity (tonnes)		-	-	45029	72980	91327

F) **Employment** :

Average Number of Persons Employed per Day	92	83
Percentage Share of Employment to Total for MCDR Minerals	0.08	0.07

<b>G) Domestic Consumption Trend</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity</b> (Th. tonnes)	-	-	-	-	-
<b>Value</b> (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity</b> (tonnes)	-	-	-	-	-
<b>Value</b> (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**J) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	
<b>Quantity</b> (Th. tonnes)	-
<b>Value</b> (Rs. crore)	-
<b>Imports</b>	
<b>Quantity</b> (tonnes)	-
<b>Value</b> (Rs. crore)	-

**J) Five Principal Siliceous Earth Mines in 2017-18:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Bhiyasar (164/13)	Vill. Bhiyasar Distt. Jaisalmer Rajasthan	J.B. Mines & Chemicals, Vill. Indawar, Tehsil: Merta Nagaur – 341 510, Rajasthan.
Bhiyasar (16/93)	Vill. Bhiyasar Distt. Jaisalmer Rajasthan	Jai Shri Ram Minerals, C/o Surya Prakash Parmar, Swamiyon ka Vas, Shiv, Barmer – 344 701, Rajasthan.
Kapuriya (1/01)	Vill. Kapuria Distt. Jaisalmer Rajasthan	M/s. Seema Minerals & Metals, 203 A, Road No. 11-F, Mewar Industrial Area, Madri, Udaipur – 344 001, Rajasthan.
Sajit (217/13)	Vill. Sajit Distt. Jaisalmer Rajasthan	Ashok Kumar Khatri, Inkoki Pol, Pokaran, Jaisalmer – 345 021, Rajasthan.
Bhiyar (65/12)	Vill. Bhiyar Distt. Barmer Rajasthan	Bhom Singh Rathore, 297, Hanwant-ABJS Colony, Jodhpur – 342 001, Rajasthan.

**K) Contribution of above Mines in 2017-18:**

<b>Quantity</b> (tonnes)	51115
<b>Percentage Share to All-India Production</b>	86.82

## SILLIMANITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b>	6502	63702	70204
(Th. tonnes)			
<b>Life Index (Years)</b>			709
B) <b>Mining Leases as on 31-3-2018</b>	<b>No. of Leases</b>		<b>Lease Area</b>
(Area in Hectares)	6		563.01

	No. of Mines		Production (tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>5(4)</b>	<b>5(4)</b>	<b>68131</b>	<b>81638</b>
<b>Public Sector</b>	4	4	24936	24336
<b>Private Sector</b>	1(4)	1(4)	43195	57302
<b>Non-Captive</b>	4(4)	5(4)	68131	81638
<b>'A' Category</b>	3(1)	4(1)	61445	77832
<b>'B' Category</b>	1(3)	1(3)	6686	3806
<b>STATES</b>				
Andhra Pradesh	(1)	(1)	37109	53749
Kerala	2	2	9254	7548
Maharashtra	1(3)	1(3)	6196	3184
Meghalaya	1*	1	-	459
Odisha	1	1	15572	16698

**D) Production Trend :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (tonnes)</b>	67265	66273	69942	68131	81638
<b>Value (Rs. '000)</b>	408247	456050	509314	535949	669340

E) <b>Closing Stock</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (tonnes)	15103	21239	24430	28555	21635

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	1776	1589
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	1.52	1.43

( ) : Figures in parentheses indicate associated mines with garnet and kyanite. \* : Only labour reported.

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (tonnes)	20900	28200	38100	24200	75900 <sup>P</sup>

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (tonnes)</b>	28152	17304	15078	14064	16193
<b>Value (Rs. crore)</b>	14.88	14.13	11.08	11.47	17.18
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.01	0.01	0.01	0.01	0.01
<b>Imports</b>					
<b>Quantity (tonnes)</b>	110	116	214	24	18
<b>Value (Rs. crore)</b>	1.43	1.08	0.90	0.30	0.10
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	<b>China P Rp</b>	<b>Nepal</b>	<b>Germany</b>	<b>Japan</b>	<b>Iran</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	12616	1189	1062	452	238	636
<b>Value (Rs. crore)</b>	12.76	0.85	1.23	0.79	0.55	1.00
<b>Imports</b>	<b>Japan</b>	<b>USA</b>	<b>Cinese Taipei/Taiwan</b>	<b>Belgium</b>	<b>Italy</b>	
<b>Quantity (tonnes)</b>	9	5	4	++	++	
<b>Value (Rs. crore)</b>	0.07	0.02	++	++	++	

**J) Five Principal Sillimanite Mines in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Vatsavalasa #	Vill. Vatsavalasa & Tonangi Distt. Srikakulam Andhra Pradesh	Trimex Sands (P) Limited, Trimex Tower, No 1 Subbaraya Avenue, C P Ramaswamy Road, Alwarpet, Chennai – 600 018, Tamil Nadu.
OSCOM	Vill. Matikhala Distt. Ganjam Odisha	Indian Rare Earths Ltd., Plot No. 1207, V.S. Marg, Prabhadevi, Mumbai – 400 028, Maharashtra.
Chavara	Vill. Chavara Distt. Kollam Kerala	Indian Rare Earths Ltd., Plot No. 1207, V.S. Marg, Prabhadevi, Mumbai – 400 028, Maharashtra.
Pavri Kyanite Mine (Jamadi)*	Vill. Jamadi (Girola) Distt. Bhandara Maharashtra	Pavri Kyanite Mines, A-1 Indra Sagar, Ravindranath Tagore Marg, Civil Lines, Nagpur – 440 001, Maharashtra.
Chavara & Panama	Vill. Chavara & Panama Distt. Kollam Kerala.	Kerala Minerals & Metals Ltd., Sankaramangalam, Chavara, Karunagappally, Kollam – 691 583, Kerala.

**K) Contribution of above Mines in 2017-18 :**

<b>Quantity (tonnes)</b>	80478
<b>Percentage Share to All-India Production</b>	99

\* : Associated with kyanite. # : Associated with Garnet. D : Despatches.



## SILVER\*

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2015</b> :			
(Th. Tonnes) Ore	150444	361511	511955
Metal	7	23	30
 <b>Life Index (Years)</b> :			 27

<b>B) Mining Leases as on 31-3-2018</b> :	<b>No. of Leases</b>	<b>Lease Area</b>
(Area in Hectares)	N.A.	N.A.

**C) Production of Silver** :

	Production (kg)	
	2016-17	2017-18(p)
<b>INDIA</b>	<b>460811</b>	<b>557691</b>
<b>Public Sector</b>	169	173
<b>Private Sector</b>	460642	557518
<b>STATES</b>		
Karnataka	169	173
Rajasthan	460642	557518

**D) Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (kg)</b>	349774	327647	426443	460811	557691
<b>Value (Rs. '000)</b>	15778713	11947028	15212374	18320758	21179042

<b>E) Closing Stock</b> :	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (kg)	-	-	-	-	-

<b>F) Employment</b> :		
<b>Average Number of Persons Employed per Day</b>	-	-
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	-	-

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\* Produced as a by-product. Exclude recovery of silver by Hindalco Industries Ltd. from imported copper concentrates.

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	31	5	24	28	27
<b>Value (Rs. crore)</b>	112.79	34.63	48.15	75.65	65.91
<b>Percentage Share to the Value of Exports of All Metals</b>	0.07	0.02	0.03	0.04	0.03
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	6512	7708	7428	3359	5879
<b>Value (Rs. crore)</b>	26973.65	27686.37	24435.80	12329.33	20724.89
<b>Percentage Share to the Value of Imports of All Metals</b>	8.39	6.90	6.26	3.65	5.03

**I) Exports/Imports By Country In 2017-18 :**

<b>Exports</b>	<b>USA</b>	<b>UAE</b>	<b>Canada</b>	<b>Italy</b>	<b>Germany</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	11	2	2	2	2	8
<b>Value (Rs. crore)</b>	24.80	13.12	3.59	2.41	2.90	19.08
<b>Imports</b>	<b>Hong Kong</b>	<b>UK</b>	<b>Russia</b>	<b>China</b>	<b>Singapore</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	2531	998	738	596	158	858
<b>Value (Rs. crore)</b>	8992.18	3569.99	2585.80	2107.53	565.42	2903.98

**J) Producers of Silver in 2017-18 :**

<b>Name of Smelter / Mine</b>	<b>Location of Smelter / Mine</b>	<b>Address of Producer / Mine Owner</b>
Chanderiya Lead & Zinc Smelter	Distt. Chittorgarh Rajasthan	Hindustan Zinc Ltd, Yashad Bhawan, Udaipur – 313 004, Rajasthan.
Hutti Gold Mines Co. Ltd.	Distt. Raichur Karnataka	The Hutti Gold Mines Co. Ltd, Hutti, Distt. Raichur – 584 115. Karnataka.

**K) Contribution of above Producers in 2017-18 :**

<b>Quantity (kg)</b>	557691
<b>Percentage Share to All-India Production</b>	100

## SULPHUR\*

Items	Reserves	Remaining Resources	Total
A) <b>Recoverable Reserves 1-4-2015</b> (Th. Tonnes) Sulphur (Native)	-	210	210
<b>Life Index (Years)</b>			N. E.
B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	No. of Leases N.A.		Lease Area N.A.
C) <b>Production of Sulphur</b>			

	No. of Units <sup>§</sup>		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>12</b>	<b>12</b>	<b>560826</b>	<b>825173</b>
<b>Public Sector</b>	12	12	560826	825173
<b>STATES</b>				
Assam	4	4	6559	8051
Bihar	1	1	8159	7330
Gujarat	1	1	100952	95343
Haryana	1	1	190946	180431
Kerala	1	1	33287	155695
Maharashtra	1	1	48991	58904
Orissa	1	1	86734	231075
Uttar Pradesh	1	1	46618	47691
West Bengal	1	1	38580	40653

**D) Production Trend :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Tonnes)</b>	390325	429258	473322	560826	825173

**E) Closing Stock :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
Quantity (Tonnes)	NA	NA	NA	NA	NA

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	-	-
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	-	-

\* Sulphur is recovered as by-product from fertilizer plants and oil refineries. (Excluding units working under Pvt. Sector)  
 § No. of units reporting production of sulphur as by-product

**G) Domestic Consumption Trend: 2013-14 2014-15 2015-16 2016-17(r) 2017-18(p)**

Quantity (Th. Tonnes) 1961 1997 2027 1206 N.A.

**H) Exports/Imports Trend:**

	2013-14	2014-15	2015-16	2016-17(r)	2017-18(p)
<b>Exports</b>					
<b>Quantity</b> (Tonnes)	577695	397399	628164	616472	573855
<b>Value</b> (Rs. crore)	394.99	371.41	515.71	346.94	425.44
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.20	0.21	0.30	0.17	0.21
<b>Imports</b>					
<b>Quantity</b> (Th. Tonnes)	1290	1626	1433	1345	1206
<b>Value</b> (Rs. crore)	1100.29	1744.54	1417.26	875.14	1062.88
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.09	0.16	0.19	0.11	0.10

**I) Exports/Imports by Country in 2017-18:**

<b>Exports</b>	<b>China P Rp</b>	<b>New Caledonia</b>	<b>Indonesia</b>	<b>Sri Lanka</b>	<b>Oman</b>	<b>Others</b>
<b>Quantity</b> (Tonnes)	492127	41800	35300	1257	1071	2300
<b>Value</b> (Rs. crore)	375.77	22.36	17.78	2.07	1.01	6.45
<b>Imports</b>	<b>UAE</b>	<b>Qatar</b>	<b>S. Arab</b>	<b>Baharain Is</b>	<b>Japan</b>	<b>Others</b>
<b>Quantity</b> (Th. Tonnes)	364	333	262	80	74	93
<b>Value</b> (Rs. crore)	335.66	294.23	205.28	76.92	71.75	79.05

**J) Sulphur Producing Units in 2017-18 : (As By-Product)**

<b>Location of Unit</b>	<b>Address of Owner</b>
Panipat, Distt. Panipat, Haryana	Indian Oil Corpn. Ltd, (Refineries Division) Scope Complex, Core-II, 7, Institutional Area, Lodhi Road, New Delhi – 110 003.
Gujarat, Distt. Baroda, Gujarat	
Mathura, Distt. Mathura, Uttar Pradesh	
Haldia, Distt: Midnapur, West Bengal	
Barauni, Distt: Begusarai, Bihar	
Guwahati, Distt. Guwahati, Assam	
Digboi, Distt. Digboi, Assam	
Bongaigaon, Distt. Chirang, Assam	
Paradip, Distt. Paradip, Odisha	
Numaligarh Refinery Limited, Distt: Golaghat Assam	Numaligarh Refinery Limited, 122A , G.S. Road Christianbasti, Guwahati – 781 005.
Mahul, Distt. Mumbai, Maharashtra	Bharat Petroleum Corp. Ltd., Bharat Bhawan, 4 & 6, Currimbhoy Road, Ballard Estate, Mumbai – 400 001, Maharashtra
Kochi, Distt. Ernakulam, Kerala	

**K) Contribution of above Units in 2017-18 :**

**Quantity** (Tonnes) 825173<sup>#</sup>

**Percentage Share to All-India Production** 100

<sup>#</sup>: Huge variation due to addition of Paradip refinery in Jagatsinghpur district of Odisha from July 2016 onwards.

## TIN CONCENTRATES

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2015</b> :			
(Tonnes) Ore	4419	83720749	83725168
Metal	154	102259	102413

**Life Index (Years) Tin Ore** : Very Large

<b>B) Mining Leases as on 31-3-2018</b> :	<b>No. of Leases</b>	<b>Lease Area</b>
(Area in Hectares)	14	302.77

**C) Mines Reporting Production** :

	No. of Mines		Production (kg)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>6</b>	<b>6</b>	<b>12121</b>	<b>16758</b>
<b>Public Sector</b>	1	1	10006	14227
<b>Private Sector</b>	5	5	2115	2531
<b>Captive</b>	5	5	2115	2531
<b>Non-captive</b>	1	1	10006	14227
<b>'B' Category</b>	6	6	12121	16758
<b>STATE</b>				
Chhattisgarh	6	6	12121	16758

**D) Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (kg)</b>	34862	24685	13541	12121	16758
<b>Value (Rs. '000)</b>	22791	18528	9231	8736	10139

<b>E) Closing Stock</b> :	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Kg)	24718	8093	3683	6989	5136

**F) Employment** :

<b>Average Number of Persons Employed per Day</b>	19	16
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.02	0.01

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports (Tin ores &amp; concs.)</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	8	-	-	-	++
<b>Value (Rs. crore)</b>	0.11	-	-	-	++
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	-	-	-	++
<b>Imports (Tin ores &amp; concs.)</b>					
<b>Quantity (Tonnes)</b>	1	-	82	68	57
<b>Value (Rs. crore)</b>	0.04	-	5.80	3.73	5.7
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	-	++	++	++

**I) Exports / Imports by Country in 2017-18 :**

<b>Exports</b>	<b>Nepal</b>	
<b>Quantity (Tonnes)</b>	++	
<b>Value (Rs. crore)</b>	++	
<b>Imports</b>	<b>France</b>	<b>Kenya</b>
<b>Quantity (Tonnes)</b>	40	17
<b>Value (Rs. crore)</b>	4.73	0.96

**J) Five Principal Tin Concentrate Mine in 2017-18 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Bastar	Vill. Bastar Distt. Bastar Chhattisgarh	Chhattisgarh State Mineral Dev. Corpn. Ltd, Sona Khan Bhawan, Ring Road No.1, Raipur – 492 006, Chhattisgarh.
Bade Bacheli (17.087 Ha)	Vill. Bade Bacheli Distt. Dantewada Chhattisgarh	Precious Minerals & Smelting Ltd, Semi Urban Industrial Estate, Frezerpur, Jagdapur – 494 001, Chhattisgarh.
Bade Bacheli (36.067 Ha)	Vill. Bade Bacheli Distt. Dantewada Chhattisgarh	
Bade Bacheli (7.739 Ha)	Vill. Bade Bacheli Distt. Dantewada Chhattisgarh	
Bade Bacheli (5.314 Ha)	Vill. Bade Bacheli Distt. Dantewada Chhattisgarh	

**K) Contribution of above Mine in 2017-18 :**

<b>Quantity (Kg)</b>	16685
<b>Percentage Share to All-India Production</b>	99.56

## TUNGSTEN CONCENTRATES

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2015</b> :			
(Th. Tonnes) Ore	-	87387	87387
Metal	-	142	142
 <b>Life Index (Years)</b> :			N. E.

<b>B) Mining Leases as on 31-3-2018</b> :	<b>No. of Leases</b>	<b>Lease Area</b>
(Area in Hectares)	N.A.	N.A.

**C) Mines Reporting Production :**

	No. of Mines		Production (kg)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	----- No Production reported -----			
<b>Public Sector</b>	- do -			
<b>Non-Captive</b>	- do -			
<b>'A' Category</b>	- do -			
<b>'B' Category</b>	- do -			
<b>STATE</b>				
Rajasthan	- do -			

**D) Production Trend :**

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs.'000)</b>	-	-	-	-	-

<b>E) Closing Stock</b> :	<b>2013-14</b>	<b>2014-15</b>	<b>2014-15</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (kg)	-	-	-	-	-

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	-	-
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	-	-

**G) Domestic Consumption Trend : 2013-14 2014-15 2015-16 2016-17(r) 2017-18(p)**

Quantity (Tonnes) N.A. N.A. N.A. N.A. N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	323	175	1	8	30
<b>Value (Rs. crore)</b>	6.42	2.97	0.04	0.61	2.99
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	17	191	78	283	350
<b>Value (Rs. crore)</b>	2.82	6.16	3.41	2.96	2.36
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	<b>Vietnam</b>		
<b>Quantity (Tonnes)</b>	30		
<b>Value (Rs. crore)</b>	2.99		
<b>Imports</b>	<b>Netherland</b>	<b>Chinese Taipei/Taiwan</b>	<b>Uzbekistan</b>
<b>Quantity (Tonnes)</b>	276	73	1
<b>Value (Rs. crore)</b>	2.20	0.12	0.04

**J) Tungsten Concentrate Mines in 2017-18 :** Nil

**K) Contribution of above Mine in 2017-18 :**

**Quantity (kg)** -

**Percentage Share to All-India Production** -



## VERMICULITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	1633	719	2352

**Life Index (Years)** : 135

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	<b>No. of Leases</b> 97	<b>Lease Area</b> 1801.18
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C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	<b>6(3)</b>	<b>5</b>	<b>9042</b>	<b>6055</b>
<b>Public Sector</b>	1	1	1690	1265
<b>Private Sector</b>	5(3)	4	7352	4790
<b>Non-captive</b>	6(3)	5	9042	6055
<b>'B' Category</b>	6(3)	5	9042	6055
<b>STATES</b>				
Andhra Pradesh	5(1)	4	7225	4790
Rajasthan	(2)	-	127	-
Tamil Nadu	1	1	1690	1265

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Tonnes)</b>	11851	19336	23279	9042	6055
<b>Value (Rs. '000)</b>	9470	12479	10556	8162	7078

E) **Closing Stock** :

	<b>2013-14</b>	<b>2014-15</b>	<b>2014-15</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	13119	17899	29045	27570	26915

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	78	68
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<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.07	0.06
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( ): Figures indicate associated mines with apatite, feldspar, mica and quartz.

**G) Domestic Consumption Trend: 2013-14 2014-15 2015-16 2016-17(r) 2017-18(p)**Quantity (Tonnes) 900 900 1600 6338<sup>(@)</sup> 5923<sup>(@)</sup>**H) Exports/Imports Trend:**

	2013-14	2014-15	2015-16	2016-17(r)	2017-18(p)
<b>Exports</b>					
Quantity (Tonnes)	737	1044	528	756	454
Value (Rs. crore)	0.87	0.99	0.64	0.83	0.51
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
<b>Imports</b>					
Quantity (Tonnes)	176	391	439	551	321
Value (Rs. crore)	0.84	1.15	1.51	1.44	0.74
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

**I) Exports/Imports by Country in 2017-18 :**

Exports	Norway	UAE	Japan	Qatar	Nepal	Others
Quantity (Tonnes)	264	96	74	10	5	5
Value (Rs. crore)	0.20	0.16	0.09	0.01	++	0.04
Imports	Brazil	S. Africa	Zimbabwe	China P Rp	Japan	Others
Quantity (Tonnes)	189	86	24	22	++	++
Value (Rs. crore)	0.45	0.21	0.04	0.04	++	++

**J) Five Principal Vermiculite Mines in 2017-18:**

Name of Mine	Location of Mine	Address of Mine Owner
Muruga	Vill. Rajupalem Distt. Nellore Andhra Pradesh	T. Meenatchi Sundaram Plot No.2, Industrial Estate, Gudur (P.O.), (Mandal), SPSR Nellore – 524 101, (A.P.)
Sevathur	Vill. Sevathur Distt. Vellore Tamil Nadu	Tamil Nadu Minerals Ltd, 31, Kamarajar Salaitwad House, Chepauk, Chennai – 600 005, Tamil Nadu.
Dugar III	Vill. Palicherla Distt. Nellore Andhra Pradesh	Dugar Insulations India (P) Ltd., 7 <sup>th</sup> Floor 34(123), Dugar Towers, Marshalls Rd, Egmore, Chennai – 600 008, Tamil Nadu.
Kandali Vermiculite Mine-2	Vill. Kandali Distt. Nellore Andhra Pradesh	B. Koteswara Rao, 558.53-4A Swarna Bharathi Nagar, Malavya Nagar, Gudur, Nellore-524 101, A. P.
Kandali Vermiculite Mine	Vill. Kandali Distt. Nellore Andhra Pradesh	B. Koteswara Rao, 558.53-4A Swarna Bharathi Nagar, Malavya Nagar, Gudur, Nellore-524 101, A. P.

**K) Contribution of above Mines in 2017-18 :**

Quantity (Tonnes) 6055

Percentage Share to All-India Production : 100

(@) : Apparent consumption

## WOLLASTONITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2015</b> (Th. Tonnes)	2241	14228	16469

**Life Index (Years)** : 72

B) <b>Mining Leases as on 31-3-2018</b> (Area in Hectares)	No. of Leases	Lease Area
	16	331.10

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2016-17	2017-18(p)	2016-17	2017-18(p)
<b>INDIA</b>	4	4	166186	153049
<b>Private Sector</b>	4	4	166186	153049
<b>Non-captive</b>	4	4	166186	153049
<b>'A' Category</b>	2	1	154801	140829
<b>'B' Category</b>	2	3	11385	12220
<b>STATE</b>				
Rajasthan	4	4	166186	153049

D) **Production Trend** :

	2013-14	2014-15	2015-16	2016-17	2017-18(p)
<b>Quantity (Tonnes)</b>	192712	186524	175348	166186	153049
<b>Value (Rs. '000)</b>	157090	162113	150313	158823	126700

E) <b>Closing Stock</b>	:	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18(p)</b>
Quantity (Tonnes)		10706	3418	13896	17782	25518

F) **Employment** :

Average Number of Persons Employed per Day		306	293
Percentage Share of Employment to Total for MCDR Minerals		0.26	0.26

<b>G) Domestic Consumption Trend:</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
Quantity (Tonnes)	187	197	164	153 <sup>D</sup>	144 <sup>D</sup>

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17(r)</b>	<b>2017-18(p)</b>
<b>Quantity (Tonnes)</b>	19033	17864	16616	16700	12478
<b>Value (Rs. crore)</b>	31.02	28.81	27.93	29.35	22.49
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.02	0.02	0.02	0.01	0.01
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	1305	1948	2818	3483	11461
<b>Value (Rs. crore)</b>	3.05	3.25	5.32	7.31	15.64
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2017-18 :**

<b>Exports</b>	<b>Belgium</b>	<b>Japan</b>	<b>Germany</b>	<b>France</b>	<b>UK</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	6688	2880	1674	348	231	657
<b>Value (Rs. crore)</b>	12.33	4.35	3.28	0.79	0.44	1.31
<b>Imports</b>	<b>China P Rp</b>	<b>USA</b>	<b>Spain</b>	<b>Mexico</b>	<b>Vietnam</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	10872	255	192	107	27	8
<b>Value (Rs. crore)</b>	13.18	1.39	0.45	0.47	0.03	0.12

**J) Wollastonite Mines in 2017-18 :**

<b>Name Of Mine</b>	<b>Location Of Mine</b>	<b>Address Of Mine Owner</b>
Kheratarla	Vill. Khera Distt. Udaipur Rajasthan	Wolkem Industries Ltd, P.B. 21, E-101, Mewar Industrial Area, Madri, Udaipur – 313003, Rajasthan.
Kotra (22/01)	Vill. Kotra Distt. Ajmer Rajasthan	Renu Atre, C-378, Pardhan Marg, Malviya Nagar, Jaipur – 302017, Rajasthan.
Ramawas	Vill. Ramawas Distt. Ajmer Rajasthan	Renu Atre, C-378, Pardhan Marg, Malviya Nagar, Jaipur – 302017, Rajasthan.

**K) Contribution of above Mines in 2017-18 :**

<b>Quantity (Tonnes)</b>	153049
<b>Percentage Share to All-India Production :</b>	100

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**D** : Despatches.