

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**

2018-19

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

APATITE

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

Life Index (Years) : Very Large

B) Mining Leases as on 31-3-2019 (Area in Hectares)	No. of Leases	Lease Area
	1	16.12

C) **Mines Reporting Production** :

	No. of Mines		Production (tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	2*	-	-	-
Public Sector	1*	-	-	-
Private Sector	1*	-	-	-
Non-captive	2*	-	-	-
'A' Category	1*	-	-	-
'B' Category	1*	-	-	-
STATES				
Andhra Pradesh	1*	-	-	-
West Bengal	1*	-	-	-

D) **Production Trend** :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (tonnes)	930	110	-	-	-
Value (Rs. '000)	2065	387	-	-	-

E) Closing Stock	:	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Th. tonnes)		7	7	7	7	7

F) **Employment** :

Average Number of Persons Employed per Day	45	-
Percentage Share of Employment to Total for MCDR Minerals	0.04	-

*Only labour reported

G) Domestic Consumption Trend	:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. tonnes)		13572	19622	20937	20631	22189

H) Exports/Imports Trend :

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. tonnes)	6809	8915	2791	1529	1510
Value (Rs. crore)	1405.07	1952.74	510.53	270.50	304.53
Percentage Share to the Value of Exports of All Minerals	0.79	1.14	0.26	0.14	0.14
Imports					
Quantity (Th. tonnes)	1116	1895	1895	1461	2255
Value (Rs. crore)	598.29	778.51	778.51	772.71	1336.41
Percentage Share to the Value of Imports of All Minerals	0.08	0.10	0.10	0.08	0.10

I) Exports/Imports by Country in 2018-19:

Exports	China P Rp	Kuwait	Nepal	Qatar	Slovenia	Others
Quantity (Th. tonnes)	1114	207	103	52	9	25
Value (Rs. crore)	171.07	37.63	25.22	6.53	12.80	51.28
Imports	Guinea	Brazil	Trinidad	Pakistan	Ghana	Others
Quantity (Th. tonnes)	833	732	262	180	179	69
Value (Rs. crore)	404.39	418.44	147.69	114.78	75.66	175.46

J) Five Principal Bauxite Mines in 2018-19:

Name of Mine	Location of Mine	Address of Mine Owner
Panchpatmali	Vill. Panchpatmali Tah. Pottangi Distt. Koraput Odisha	National Aluminium Co. Ltd, Nalco Bhawan, P-1 Nayapalli, Bhubaneswar, Khurda – 751 061, Odisha.
Baphlimali	Vill. Paikkupakhali Distt. Raygada Odisha	Utkal Alumina International Ltd, J-6, Jayadev Vihar, Bhubaneswar – 751 013, Odisha.
Kodingamali	Vill. Kodingamali Distt. Koraput Odisha	Odisha Mining Co. Ltd., OMC House, Unit-V, Bhubaneswar, Kurda – 751 061, Odisha
Panchpatmali (South Block)	Vill. Panchpatmali Post Office- Damanjodi Distt. Koraput Odisha	National Aluminium Co. Ltd, Nalco Bhawan, P-1 Nayapalli, Bhubaneswar, Khurda – 751 061, Odisha.
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 2018-19:

Quantity (Th. tonnes)	15876
Percentage Share to All-India Production:	67

CHROMITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (All Grades) (Th. tonnes)	102210	241806	344016
Life Index (Years)	:		81
B) Mining Leases as on 31-3-2019 (Area in Hectares)	:	No. of Leases 27	Lease Area 7687.85

C) Mines Reporting Production	No. of Mines		Production (Th. tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	25	26	3481	3971
Public Sector	10	11	974	1238
Private Sector	15	15	2507	2733
Captive	5	5	919	819
Non-captive	20	21	2562	3152
'A' Category	22	22	3310	3826
'B' Category	3	4	171	145
STATES				
Karnataka	3	3	-	-
Maharashtra	1	1	++	-
Odisha	21	22	3481	3971
GRADES				
Above 52% Cr ₂ O ₃	Lumps		-	-
	Fines		1047	1689
40 - 52% Cr ₂ O ₃	Lumps		145	103
	Fines		1186	1131
Below 40% Cr ₂ O ₃	Lumps		86	88
	Fines		601	709
Concentrates			416	251

D) Production Trend	:	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Th. tonnes)		2164	2916	3728	3481	3971
Value (Rs. '000)		18800279	21214490	31937475	32037005	35836111

E) Closing Stock	:	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Th. tonnes)		2245	2560	2694	2270	2253

F) Employment	:	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Average Number of Persons Employed per Day					7234	7218
Percentage Share of Employment to Total for MCDR Minerals					6.3	6.33

(p): Provisional. (++) : Negligible

EMERALD

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

B) Mining Leases as on 31-3-2019 (Area in Hectares)	No. of Leases	Lease Area
	1	46.32

C) **Mines Reporting Production** :

	No. of Mines		Production (kg)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	No Production reported			
Private Sector	- do -			
Non-Captive	- do -			
'B' Category	- do -			
STATE				
Rajasthan	- do -			

D) **Production Trend** :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (kg)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (kg)	-	-	20	20	20

F) **Employment** :

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

G) Domestic Consumption Trend : 2014-15 2015-16 2016-17 2017-18(r) 2018-19(p)
Quantity (tonnes) N.A. N.A. N.A. N.A. N.A.

H) Exports/Imports Trend :

Exports (Uncut/Cut)	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity	**	**	**	**	**
Value (Rs. crore)	1594.54	1788.00	2034.0	1775.65	2302.62
Percentage Share to the Value of Exports of All Minerals	0.90	1.05	1.02	0.89	1.05
Imports (Uncut/Cut)	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity	**	**	**	**	**
Value (Rs. crore)	6306.24	8726.33	11342.88	7793.47	3659.23
Percentage Share to the Value of Imports of All Minerals	0.59	1.18	1.40	0.76	0.36

I) Exports/Imports by Country in 2018-19 :

Exports	Hong Kong	USA	Thailand	Switzerland	Belgium	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	1163.34	544.14	153.76	113.81	66.61	260.96
Imports	Hong Kong	Madagascar	Zambia	UAE	USA	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	1348.63	633.89	474.71	432.23	210.75	559.01

J) Emerald Mine in 2018-19 : Nil

K) Contribution of above Mine in 2018-19 :

Quantity (kg) ----

Percentage Share to All-India Production ----

** Quantity in different units.

G) Domestic Consumption Trend	:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend :

Exports (Flint Stone)	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	484	867	652	824	790
Value (Rs. crore)	0.40	0.77	0.66	0.77	1.04
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports (Flint Stone)					
Quantity (Tonnes)	141	1279	1712	4431	6887
Value (Rs. crore)	0.23	1.74	2.42	5.62	7.60
Percentage Share to the Value of Imports of All Minerals	N.A.	++	++	++	++

I) Exports/Imports by Country in 2018-19 :

Exports (Flint Stone)	Japan	Ethiopia	Indonesia	Oman	Nigeria	Others
Quantity (Tonnes)	260	205	152	51	47	75
Value (Rs. crore)	0.43	0.14	0.10	0.07	0.02	0.29
Imports (Flint Stone)	Egypt A Rep	France	UK	Malaysia	Others	
Quantity (Tonnes)	4575	2231	75	5	++	
Value (Rs. crore)	3.84	3.46	++	++	++	

J) Flint Stone Mines in 2018-19:

Name of Mine	Location of Mine	Address of Mine Owner
-----No production reported-----		

K) Contribution of above Mines in 2018-19:

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

FLUORITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	289	17893	18182

Life Index (Years) : Very large

B) Mining Leases as on 31-3-2019 (Area in Hectares)	No. of Leases 11	Lease Area 331.19
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C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	1	1	1314	1079
Public Sector	1	1	1314	1079
Captive	-	-	-	-
Non-captive	1	1	1314	1079
'A' Category	-	-	-	-
'B' Category	1	1	1314	1079
STATES				
Gujarat	-	-	-	-
Maharashtra	1	1	1314	1079

D) **Production Trend** :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)	2946	2333	1175	1314	1079
Value (Rs. '000)	13761	12965	6733	8646	8483

E) Closing Stock	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes) (Graded)	94296	96619	97794	97359	98597

F) **Employment** :

Average Number of Persons Employed per Day : 43 41

Percentage Share of Employment to Total for MCDR Minerals : 0.04 0.04

GARNET

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	12784	43377	56161
Life Index (Years)			263
B) Mining Leases as on 31-3-2019 (Area in Hectares)	No. of Leases		Lease Area
Abrasive	31		188.18
Gem	2		38.22

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
Garnet (Abrasive)				
INDIA	7(1)	9(1)	158277	123404
Public Sector	1(1)	2(1)	40983	45717
Private Sector	6	7	117294	77687
Captive	-	-	-	-
Non-Captive	7(1)	9(1)	158277	123404
'A' Category	2(1)	3(1)	99103	73298
'B' Category	5	6	59174	50106
STATES				
Andhra Pradesh	2	2	111513	72521
Odisha	(1)	(1)	34170	38376
Rajasthan	2	3	5781	5166
Tamil Nadu	3	4	6813	7341

D) **Production Trend** :

Garnet (Abrasive)	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (tonnes)	91394	82001	85413	158277	123404
Value (Rs. '000)	800998	648124	787302	1618903	1568237

E) Closing Stock	:	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity Garnet (Abrasive) (Tonnes)		63608	62908	67953	78008	96442

F) **Employment** :

Average Number of Persons Employed per Day	863	1126
Percentage Share of Employment to Total for MCDR Minerals	0.75	0.99

() : Figures indicate associated mine with sillimanite.

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. Tonnes)	N.A	N.A	N.A	N.A.	N.A.

H) Exports/Imports Trend:

Exports (Garnet (Abrasive))	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	448559	480408	387276	157223	104343
Value (Rs. crore)	567.38	595.09	469.18	234.66	178.39
Exports (Garnet (Cut & Uncut))					
Quantity	**	**	**	**	**
Value (Rs. crore)	3.11	2.54	24.17	41.67	49.48
Percentage Share to the Value (Abrasive)	0.32	0.35	0.23	0.12	0.08
of Exports of All Minerals (Cut & Uncut)	++	++	0.01	0.02	0.02
Imports (Garnet (Abrasive))					
Quantity (Tonnes)	647	883	2286	2256	422
Value (Rs. crore)	1.03	1.11	2.22	2.12	0.64
Imports (Garnet (Cut & Uncut))					
Quantity	**	**	**	**	**
Value (Rs. crore)	6.87	6.26	22.23	33.59	16.98
Percentage Share to the Value (Abrasive)	++	++	++	++	++
of Imports of All Minerals (Cut & Uncut)	++	++	++	++	++

I) Exports/Imports by Country in 2018-19:

Exports (Garnet Abrasive)	USA	UAE	Qatar	Saudi Arab	Italy	Others
Quantity (Tonnes)	40772	14554	8726	4680	4340	31271
Value (Rs. crore)	66.68	25.37	15.86	8.21	7.46	54.81
Exports (Garnet (Cut & Uncut))	Thailand	HongKong	USA	Japan	Italy	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	18.30	17.25	5.62	2.78	0.83	4.71
Imports (Garnet Abrasive)	UAE	Australia	China P Rp	Madagascar		
Quantity (Tonnes)	384	26	12		++	
Value (Rs. crore)	0.58	++	++		++	
Imports (Garnet (Cut & Uncut))	Hong Kong	Kenya	Thailand	Sri Lanka	USA	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	4.55	4.03	3.6	1.38	1.03	2.38

J) Principal Garnet Mines in 2018-19 :

Name of Mine	Location of Mine	Address of Mine Owner
TGI Garnet mine	Vill. Mofazbandru, Ippili Distt. Srikakulam Andhra Pradesh	Transworld Garnet India Pvt Ltd., New No. 34, Old No. 46, Dr. M.G.R. Road, Kalakshetra Colony, Besant Nagar, Chennai – 600 090, Tamil Nadu.
Oscorn (Odisha Sands Com)	Vill. Matikhala Distt. Ganjam Odisha	Indian Rare Earths Ltd, Plot No. 1207, Veer Savarkar Marg, Prabhadevi, Near Siddhivinayak Temple, Dadar – 400 028, Mumbai, Maharashtra.
Vatsavalasa	Vill. Vatsavalasa & Tonangi, Distt. Srikakulam Andhra Pradesh	Trimex Sands (P) Limited., Trimex Towers, No.-1, Subbraya Avenue, C.P. Rama Swamy Road, Alwarpet, Chennai – 600 018, Tamil Nadu.
Manavalakurichi	Vill. Manavalakurichi, Distt. Kanyakumari Tamil Nadu	Indian Rare Earths Ltd., Plot No. 1207, Veer Savarkar Marg, Prabhadevi, Near Siddhivinayak Temple, Dadar – 400 028 Mumbai, Maharashtra.
Kodukota	Vill. Gokulpura Distt. Bhilwara Rajasthan	AKD Gem Garnet Mines, F-203, Near Mahapragya Circle, Azad Nagar, Bhilwara – 31101, Rajasthan.

K) Contribution of above Mines in 2018-19 :

Garnet (Abrasive) Quantity (Tonnes) 121156

Percentage Share to All-India Production 98

** Quantity in different units.

GOLD

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 :			
Primary Ore (Th. Tonnes)	17228	484611	501839
Metal (Tonnes)	70	585	655
Life Index (Years) (Ore) :			221
B) Mining Leases as on 31-3-2019 :	No. of Leases		Lease Area
(Area in Hectares)	11		6971.89
C) Mines Reporting Production :			

	No. of Mines		Production	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	5	5		
Ore (Th. Tonnes)			550	566
Gold Bullion (kg)			1651	1664
Primary			1651	1664
Public Sector	3	3		
Ore (Th. Tonnes)			545	564
Gold Bullion (kg)			1640	1661
Private Sector	2	2		
Ore (Th. Tonnes)			5	2
Gold Bullion (kg)			11	3
Captive	5	5		
Ore (Th. Tonnes)			550	566
Gold Bullion (kg)			1651	1664
'A' Category	4	4		
Ore (Th. Tonnes)			545	564
Gold Bullion (kg)			1640	1661
'B' Category	1	1		
Ore (Th. Tonnes)			5	2
Gold Bullion (kg)			11	3
STATES				
Andhra Pradesh	1*	1*		
Ore (Th. Tonnes)			-	-
Gold Bullion (kg)			-	-
Jharkhand	1	1		
Ore (Th. Tonnes)			5	2
Gold Bullion (kg)			11	3
Karnataka	3	3		
Ore (Th. Tonnes)			545	564
Gold Bullion (kg)			1640	1661

D) Production Trend :

Quantity	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Ore (Th. Tonnes)	447	563	582	550	566
Gold Bullion (kg)	1441	1323	1595	1651	1664
Value (Rs. '000)					
Gold Bullion	3602722	3214623	4362410	4769813	5241705

E) Closing Stock :	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Ore) (Th. Tonnes)	122	106	110	68	89
F) Employment :					
Average Number of Persons Employed per Day				3235	3188
Percentage Share of Employment to Total for MCDR Minerals				2.82	2.80

* Only labour reported

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend :

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Metal) (kg)	70796	135275	133032	36927	507
Value (Rs. crore)	17442.38	32566.59	36179.54	9668.60	144.13
Percentage Share to the Value of Exports of All Metals	10.44	21.30	19.86	5.08	0.08
Imports					
Quantity (Metal) (kg)	915473	968075	778449	955336	982697
Value (Rs. crore)	210658.04	207487.50	183960.13	217072.07	229536.5
Percentage Share to the Value of Imports of All Metals	52.50	53.15	54.46	52.71	48.04

I) Exports/Imports by Country in 2018-19 :

Exports	Singapore	Guinea	Germany	UK	Canada	Others
Quantity (Metal) (kg)	500	5	1	1	++	++
Value (Rs. crore)	142.32	1.22	0.21	0.25	0.02	0.11
Imports	Switzerland	USA	Ghana	Domonic Rep	Peru	Others
Quantity (Metal) (kg)	383301	81752	80289	76401	73132	287822
Value (Rs. crore)	106116.48	14802	21016.61	3792.79	15356.59	68452.02

J) Gold Mines in 2018-19 :

Name of Mine	Location of Mine	Address of Mine Owner
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-800 013.
Uti	Vill. Uti Distt. Raichur Karnataka	The Hutti Gold Mines Co. Ltd., Hutti, Distt. Raichur- 584 115, Karnataka.

K) Contribution of above Mines in 2018-19 :

Quantity (Th. Tonnes) Gold Ore (Primary)	566
Percentage Share to All-India	100

GRAPHITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	7961	186926	194887
Life Index (Years)	:		365
B) Mining Leases as on 31-3-2019 (Area in Hectares)	:	No. of Leases 37	Lease Area 1581.56
C) Mines Reporting Production	:		

	No. of Mines		Production (Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	9	9	33649	39370
Public Sector	1*	-	-	-
Private Sector	8	9	33649	39370
Captive	2	2	240	340
Non-captive	7	7	33409	39030
'B' Category	9	9	33649	39370
STATES				
Jharkhand	2	3	18735	15830
Karnataka	-	2	-	-
Kerala	1	1	240	340
Odisha	5	3	14674	23200
Tamil Nadu	1*	-	-	-
GRADES				
40% or more but less than 80% fixed carbon			842	954
less than 40% fixed carbon			32807	38416

D) Production Trend :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)	116712	135528	122438	33649	39370
Value (Rs. '000)	83996	106487	94158	28229	37711

E) Closing Stock	:	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)		115526	139590	186603	177914	174270

F) Employment :

Average Number of Persons Employed per Day	249	190
Percentage Share of Employment to Total for MCDR Minerals	0.22	0.17

* Only labour reported.

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	61300	58000	67600	71700	23000

H) Exports/Imports Trend:

Exports (Graphite (Natural))	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	2669	286	402	910	405
Value (Rs. crore)	8.66	1.71	3.03	7.76	2.30
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports (Graphite (Natural))					
Quantity (Tonnes)	28552	26160	37046	39864	47053
Value (Rs. crore)	133.53	121.34	139.11	148.79	232.89
Percentage Share to the Value of Imports of All Minerals	0.01	0.02	0.02	0.01	0.02

I) Exports/Imports by Country in 2018-19 :

Exports	Tanzania Rp	Bangladesh	Kuwait	Ethiopia	Iraq	Others
Quantity (Tonnes)	190	42	28	25	18	102
Value (Rs. crore)	0.84	0.21	0.03	0.07	0.08	1.06
Imports	China P Rp	Madagascar	Mozambique	Brazil	USA	Others
Quantity (Tonnes)	34742	4950	4444	1476	398	1043
Value (Rs. crore)	148.94	34.94	18.80	10.45	4.57	15.19

J) Five Principal Graphite Mines in 2018-19 :

Name of Mine	Location of Mine	Address of Mine Owner
Gandabahali & Kirkita	Vill. Gandabahali Distt. Nawapara Odisha	Pramod Kumar Agrawal, Shantikunj Farm Road Modipara, Sambalpur – 768 002, Odisha.
Gaura	Vill. Gaura Distt. Palamau Jharkhand	Sishir Kumar Poddar, 4L, Shree Gopal Complex, Court Road, Ranchi – 834001, Jharkhand.
Gandabahali	Vill. Gandabahali Distt. Nawapara Odisha	Prabhas Chandra Agrawal, Shantikunj Farm Road Modipara, Sambalpur – 768 002, Odisha.
Betla	Vill. Betla Distt. Latehar Jharkhand.	M/s Parijat Mining Industries (India) P, Town Hall Road, Opp. Shivajee Maidan, Daltonganj , Palamau- 822101, Jharkhand.
Murma	Vill. Murma Distt. Palamau Jharkhand	Krishna Kumar Poddar 3P, Shree Gopal Complex Court Road, Ranchi-834001, Jharkhand.

K) Contribution of above Mines in 2018-19 :

Quantity (Tonnes) 38076

Percentage Share to All-India Production 96.7

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (kgs)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (kg)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
Percentage Share to the Value of Exports of All Minerals	-	-	-	-	-
Imports					
Quantity (kg)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
Percentage Share to the Value of Imports of All Minerals	-	-	-	-	-

K) Exports/Imports by Country in 2018-19:

Exports	
Quantity (kg)	-
Value (Rs. crore)	-
Imports	
Quantity (kg)	-
Value (Rs. crore)	-

J) Iolite Mine in 2018-19:

Name of Mine	Location of Mine	Address of Mine Owner
Labanyasar	Village. Labanyasar District. Kalahandi Odisha	Mr. Debaraj Meher At/Po-Chichaigudaps-Junagarh, Kalahandi – 766014, Odisha.
Bondoguda	Village. Bondoguda District. Kalahandi Odisha	M/s. Manikeswari Gems Private Ltd. N-1/65 Nayapalli, I. R. C. Village, Bhubneshwar – 751015, Odisha.

K) Contribution of above mine in 2018-19:

Quantity (kg)	86
Percentage Share to All-India Production	100

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) :			105
(Includes Hematite & Magnetite)			

B) Mining Leases as on 31-3-2019 :	No. of Leases	Lease Area
Iron Ore (Area in Hectares)	426	65842.07

C) Mines Reporting Production :

	No. of Mines		Production (Th. Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	304(8)	254(8)	201426	206446
Public Sector	36	35	69562	71088
Private Sector	268(8)	219(8)	131864	135358
Captive	35	38	58519	64228
Non-captive	269(8)	216(8)	142907	142218
'A' Category	158(1)	126	139558	149479
'B' Category	146(7)	128(8)	61868	56967
STATES				
Andhra Pradesh	20	16	674	655
Chhattisgarh	18	18	34418	34945
Goa	86(1)	47	10279	-
Jharkhand	20	19	20169	23433
Karnataka	57	54	28691	29796
Madhya Pradesh	15(4)	18(6)	2743	2792
Maharashtra	15	11	940	660
Odisha	62(2)	63(1)	102186	113055
Rajasthan	11	8	1320	1108
Telangana	(1)	(1)	6	2
GRADES				
Lumps (Total)			65426	66610
Below 55% Fe			2236	2328
55% to below 58% Fe			2992	2400
58% to below 60% Fe			4793	4920
60% to below 62% Fe			6754	6599
62% to below 65% Fe			32064	32040
65% Fe and above			16587	18323
Fines (Total)			134456	138376
Below 55% Fe			6265	5991
55% to below 58% Fe			11385	4905
58% to below 60% Fe			11092	10709
60% to below 62% Fe			20645	21605
62% to below 65% Fe			63760	70279
65% Fe and above			21309	24887
Concentrates (Total)			1544	1460

D) Production Trend :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Th. Tonnes)	129321	158108	194584	201426	206446
Value (Rs. '000)	276636789	223206636	252291800	347131039	451841360

E) Closing Stock :	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Th. Tonnes)	123705	144498	148716	152954	162642

F) Employment :

Average Number of Persons Employed per Day	45988	43371
Percentage Share of Employment to Total for MCDR Minerals	40.04	38.03

(): 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.

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. Tonnes)	114680	126774	150216	159576	159942

H) Exports/Imports Trend :

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. Tonnes)	7297	5441	30731	24203	16150
Value (Rs. crore)	3143.67	1263.96	10292.93	9490.14	9262.61
Percentage Share to the Value of Exports of All Minerals	1.77	0.74	5.14	4.76	4.23
Imports					
Quantity (Th. Tonnes)	12093	7099	4607	8707	12808
Value (Rs. crore)	6594.74	3197.14	2161.52	4229.40	5913.67
Percentage Share to the Value of Imports of All Minerals	0.62	0.43	0.27	0.41	0.46

I) Exports/Imports by Country in 2018-19 :

Exports	China P Rp	Japan	Korea Rp	UK	Malaysia	Others
Quantity (Th. Tonnes)	12103	1160	1055	372	344	1116
Value (Rs. crore)	6703.76	605.38	743.81	268.80	157.33	783.52
Imports	Australia	S. Africa	Brazil	Bahrain Is	Oman	Others
Quantity (Th. Tonnes)	7217	2653	1873	640	206	219
Value (Rs. crore)	2145.12	1760.21	1046.73	683.21	121.77	156.63

J) Five Principal Iron ore Mines in 2018-19 :

Name of Mine	Location of Mine	Address of Mine Owner
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. Bachel Distt. Dantewada Chhattisgarh	National Mineral Development Corp. Ltd., Khanij Bhavan, 10-3-311/A, Castle Hills, Masab Tank, Hyderabad – 500028.
Noamundi	Vill. Noamundi Distt. Singhbhum Jharkhand	Tata Steel Ltd., Bombay House, 24 Homi Mody Street, Fort, Mumbai – 400 001.

K) Contribution of above Mines in 2018-19 :

Quantity (Th. Tonnes)	44449
Percentage Share to All-India Production	22

KYANITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	688	104293	104981
Life Index (Years)	:		Very Large

B) Mining Leases as on 31-3-2019 (Area in Hectares)	:	No. of Leases 27	Lease Area 1471.44
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C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	5	4	7818	4889
Public Sector	1	1	2318	1848
Private Sector	4	3	5500	3041
Non-captive	5	4	7818	4889
'B' Category	5	4	7818	4889
STATES				
Karnataka	1*	-	-	-
Maharashtra	4	4	7818	4889
GRADES				
40 % Al ₂ O ₃ & above			7818	4681
Below 40 % Al ₂ O ₃			-	208

D) **Production Trend** :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)	6255	2901	3253	7818	4889
Value (Rs. '000)	12185	14180	13458	23277	15228

E) Closing Stock	:	2014-15	2015-16	2016-17	2017-18	2018-19 (p)
Quantity (Tonnes)		14280	14519	12892	12340	12384

F) **Employment** :

Average Number of Persons Employed per Day	80	51
Percentage Share of Employment to Total for MCDR Minerals	0.07	0.04

*Only labour reported.

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	3200	3100	3400 ^D	6600 ^D	5100 ^D

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	39	144	153	166	284
Value (Rs. crore)	0.05	0.27	0.31	0.34	0.49
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports					
Quantity (Tonnes)	508	478	748	620	997
Value (Rs. crore)	1.70	1.69	1.66	1.78	2.76
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2018-19:

Exports	Greece	China P Rp	Saudi Arab	Nepal	Nigeria	Others
Quantity (Tonnes)	167	56	20	13	13	15
Value (Rs. crore)	0.35	0.06	0.02	0.02	0.01	0.03
Imports	USA	China P Rp	Virgin Is Us	Japan		
Quantity (Tonnes)	739	218	40	++		
Value (Rs. crore)	2.47	++	++	++		

J) Kyanite Mines in 2018-19 :

Name of Mine	Location of Mine	Address of Mine Owner
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, Ajani Chowk, Wardha Road, Nagpur – 440 015, Maharashtra.
Pavri Kyanite Mine (Sakra)	Vill. Sakra Dist. Bhandara Maharashtra	Pavri Kyanite Mine, A-1 Indra Sagar , Ravindranath Tagore Marg, Civil Lines, Nagpur – 440 001, Maharashtra.

J) Contribution of above Mines in 2018-19:

Quantity (Tonnes)	4889
Percentage Share to All-India Production:	100

D : Despatches.

LEAD AND ZINC CONCENTRATES

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 :			
(Th. Tonnes) a) Ore	106116	643343	749459
b) Lead metal	2482	10521	13004
c) Zinc metal	10000	26363	36363
d) Lead+Zinc metal	0	143	143

Life Index (Years) (Lead & Zinc Ore): 29

B) Mining Leases as on 31-3-2019 :	No. of Leases	Lease Area
(Area in Hectares) (Lead & Zinc Ore)	9	6937.79

C) Mines Reporting Production :

	No. of Mines		Production (Th. Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
India	8	8		
Lead & Zinc Ore			12614	13752
Lead Concentrates			306	358
Zinc Concentrates			1540	1457
Private Sector	8	8		
Lead & Zinc Ore			12614	13752
Lead Concentrates			306	358
Zinc Concentrates			1540	1457
Captive	8	8		
Lead & Zinc Ore			12614	13752
Lead Concentrates			306	358
Zinc Concentrates			1540	1457
'A' Category	8	8		
Lead & Zinc Ore			12614	13752
Lead Concentrates			306	358
Zinc Concentrates			1540	1457

STATES	No. of Mines		Production (Th. Tonnes)					
	2017-18	2018-19(p)	2017-18			2018-19(p)		
			Qty.	Pb%	Zn%	Qty.	Pb%	Zn%
Rajasthan	8	8						
Lead & Zinc Ore			12614	1.81	6.62	13752	1.93	5.90
Lead Concentrates			306	56.73		358	57.78	
Zinc Concentrates			1540		50.18	1457		50.00

D) Production Trend : 2014-15 2015-16 2016-17 2017-18 2018-19(p)

Quantity (Th. Tonnes)					
Lead & Zinc Ore	9363	10453	11881	12614	13752
Lead Concentrates	198	262	268	306	358
Zinc Concentrates	1489	1474	1484	1540	1457
Value (Rs. '000)					
Lead Concentrates	5640013	7885122	9669267	11429413	16316814
Zinc Concentrates	31572181	34943088	43385599	49799273	56083774

E) Closing Stock :	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Th. Tonnes)					
Lead & Zinc Ore	116	42	1028	379	39
Lead Conc.	12	10	8	34	7
Zinc Conc.	55	30	67	27	23

F) Employment :

Average Number of Persons Employed per Day	8056	10551
Percentage Share of Employment to Total for MCDR Minerals	7.01	9.25

LIME SHELL

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015	: N.A.	: N.A.	: N.A.

Life Index (Years) : (Included in Limestone)

B) Mining Leases as on 31-3-2019	: No. of Leases	: Lease Area
(Area in Hectares)	24	2779.88

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	6	5	14765	7534
Public Sector	-	-	-	-
Private Sector	6	5	14765	7534
Captive	-	-	-	-
Non-captive	6	5	14765	7534
'A' Category	1	1	4714	3576
'B' Category	5	4	10051	3958
STATES				
Karnataka	2	2	4537	3538
Kerala	4	3	10228	3996

D) Production Trend :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)	16353	10353	12344	14765	7534
Value (Rs. '000)	37137	28613	34774	51445	27786

E) Closing Stock	: 2014-15	: 2015-16	: 2016-17	: 2017-18	: 2018-19(p)
Quantity (Tonnes)	2468	996	2719	18492	4408

F) Employment :

Average Number of Persons Employed per Day	511	289
Percentage Share of Employment to Total for MCDR Minerals	0.44	0.25

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
Percentage Share to the Value of Exports of All Minerals	-	-	-	-	-
Imports					
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
Percentage Share to the Value of Imports of All Minerals	-	-	-	-	-

I) Exports/Imports by Country in 2018-19:

Exports	
Quantity (Tonnes)	-
Value (Rs. crore)	-
Imports	
Quantity (Tonnes)	-
Value (Rs. crore)	-

J) Principal Lime Shell Mines in 2018-19 :

Name of Mine	Location of Mine	Address of Mine Owner
Vebanadu Lake	Vill. Vaikom, Distt. Kottayam Kerala	The Vaikom Limeshell Co-Operative Society Ltd., No. 3145, P.O. Pallippurathussery, Vaikom – 686 606, Distt. Kottayam, Kerala.
M.L.2230	Vill. Chittakula Kanwgi, Distt. North Kanara, Karnataka.	Naik Minerals, Vill. Chittakula Kanwgi, Taluk: Karwar, Distt. North Kanara– 581 352, Karnataka.
Thanneermukkam 500H	Vill. Thanneermukkam, Distt. Alappuzha, Kerala.	Karappuram White Limeshell Vyavasaya Co-Op. Society Ltd., Muhamma, Taluk: Cherthala, Distt. Alappuzha – 688 525, Kerala.
Kumarakom	Vill. Kumarakom, Distt. Kottayam, Kerala.	Vaikom Taluk White Limeshell Co-Op. Society Ltd., No. K.357, Ambika Market(P.O), Vaikom, Distt. Kottayam– 686 144, Kerala.

K) Contribution of above Mines in 2018-19 :

Quantity (Tonnes)	7534
Percentage Share to All-India Production	100

LIMESTONE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 :	16336	186889	203225
(Million Tonnes)			
Life Index (Years) :			193
(Includes Lime kankar & Lime shell)			
B) Mining Leases as on 31-3-2019 :	No. of Leases		Lease Area
(Area in Hectares)	1992		166636.32
C) Mines Reporting production :			

	No. of mines		Production (in Th. Tonnes)	
	2017-18	2018-19(P)	2017-18	2018-19(P)
INDIA	758(5)	680(3)	340417	379045
Public Sector	27	24	11354	10830
Private Sector	731(5)	656(3)	329063	368215
Captive	403	404	322246	361071
Non-Captive	355(5)	276(3)	18171	17974
“A” Category	258	281	261537	295698
“B” Category	500(5)	399(3)	78880	83347
STATES				
Andhra Pradesh	80(1)	80(1)	38889	48290
Assam	3	3	1432	1652
Bihar	1	1	43	240
Chhattisgarh	71	50	36391	42411
Gujarat	125(1)	109(1)	26019	26237
Himachal Pradesh	20	22	11504	12027
Jammu & Kashmir	13	22	1225	1228
Jharkhand	6	6	1190	1248
Karnataka	68	60	30059	34303
Kerala	1	1	444	325
Madhya Pradesh	144(2)	128	43060	49762
Maharashtra	17	15	14152	14991
Meghalaya	18	20	6599	7195
Odisha	7(1)	7(1)	4968	5289
Rajasthan	35	36	74138	76467
Tamil Nadu	116	88	20538	23863
Telangana	31	30	27367	30895
Uttar Pradesh	2	2	2399	2622
GRADES				
Cement			328700	367619
LD, SMS & BF			7721	7738
Chemical			3996	3688

D) Production Trend :

	2014-15	2015-16	2016-17	2017-18	2018-19(P)
Quantity (Th. Tonnes)	293273	307001	314669	340417	379045
Value (Rs. '000)	58000375	68673970	73878426	80995698	84841055

E) Closing Stock :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Th. Tonnes)	13077	12633	14615	18238	18251

F) Employment :

Average Number of Persons Employed per Day	22019	20145
Percentage Share of Employment to Total for MCDR Minerals	19.17	17.66

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

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. Tonnes)	275	265	230	248 ^D	195 ^D

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	6612	6204	8065	9576	6273
Value (Rs. crore)	12.09	12.45	13.52	18.86	20.43
Percentage Share to the Value of Exports of All Minerals	0.01	0.01	0.01	0.01	0.01
Imports					
Quantity (Tonnes)	102080	11878	142599	229628	464367
Value (Rs. crore)	332.78	325.68	308.99	526.87	1112.08
Percentage Share to the Value of Imports of All Minerals	0.03	0.04	0.04	0.05	0.09

I) Exports/Imports by Country in 2018-19 :

Exports	Sudan	Malaysia	Singapore	Saudi Arab	Bangladesh	Others
Quantity (Tonnes)	881	802	605	568	552	2865
Value (Rs. crore)	2.36	0.76	2.79	1.51	1.87	11.14
Imports	China P Rp	Pakistan	Norway	UAE	Ireland	Others
Quantity (Tonnes)	173797	74124	68928	50647	25455	71416
Value (Rs. crore)	473.92	30.32	20.39	9.20	164.13	414.13

J) Five Principal Magnesite Mines in 2018-19 :

Name of Mine	Location of Mine	Address of Mine Owner
Dundu	Vill. Dundu & Talli Sangri Distt. Pithoragarh Uttarakhand	N.B. Minerals Corporation, 6/575 Nawabi Road, Haldwani, Nainital- 263 139, Uttarakhand.
Jhiroli	Vill. Jhiroli Distt. Bageshwar Uttarakhand	Almora Magnesite Ltd., Village Matela, P.O. Billori, Distt. Bageshwar – 263630, Uttarakhand.
Sri Ponguru	Vill. Jagir Ammapalayam Distt. Salem Tamil Nadu	S. Sundararajan, 5/22-A, Periyakollapatti, , Kannankuruchi, Post- Gorimedu, Salem – 636 008, Tamil Nadu.
Kondappanaickanpatty	Vill. Kondappanaickanpatty Distt. Salem Tamil Nadu	India Magnesite Product Limited, No. 11/239, Ramakrishna Road, Balaji Towers 3 rd floor, Salem -636 007, Tamil Nadu.
Dungra	Vill. Dungra Distt. Pithoragarh Uttarakhand	Jeewan Singh Mall, Jakhani, Pithoragarh-262501 Uttarakhand

K) Contribution of above Mines in 2018-19 :

Quantity (Th. Tonnes)	132
Percentage Share to All-India Production	90

D : Despatches.

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. Tonnes)	4439	3334	2868	2702	2062

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. Tonnes)	11	0.4	0.2	44	56
Value (Rs. crore)	6.54	1.89	1.24	50.88	13.81
Percentage Share to the Value of Exports of All Minerals	++	++	++	0.03	0.01
Imports					
Quantity (Th. Tonnes)	3173	2217	1908	3628	2784
Value (Rs. crore)	3466.91	1741.37	2402.81	5063.40	4848.45
Percentage Share to the Value of Imports of All Minerals	0.32	0.24	0.30	0.49	0.37

I) Exports/Imports by Country in 2018-19 :

Exports	China P Rp	Indonesia	Netherland	Uganda	Sri Lanka	Others
Quantity (Tonnes)	33	23	0.1	++	++	++
Value (Rs. crore)	4.9	7.54	0.66	0.09	0.10	0.53
Imports	S. Africa	Gabon	Australia	Ivory Coast	Brazil	Others
Quantity (Th. Tonnes)	1254	228	224	218	210	650
Value (Rs. crore)	2095.37	352.93	512.95	293.19	416.92	1177.09

J) Five Principal Manganese Ore Mines in 2018-19 :

Name of Mine	Location of Mine	Address of Mine Owner
Balaghat	Vill. Bharweli Distt. Balaghat Madhya Pradesh	MOIL Ltd., MOIL Bhavan, 1A – Katol Road, Chhaoni, Nagpur – 440013, Maharashtra.
Dongribuzurg	Vill. Balapur Hamesha Distt. Bhandara Maharashtra	MOIL Ltd., MOIL Bhavan, 1A – Katol Road, Chhaoni, Nagpur – 440013, Maharashtra.
SMIORE	Vill. Deogiri Distt. Bellary Karnataka	SMIORE Ltd., No. 9, Bellary Road, Sadashivanagar, Bangalore – 560080, Karnataka.
Chikla	Vill. Sitasongi Distt. Bhandara Maharashtra	MOIL Ltd., MOIL Bhavan, 1A – Katol Road, Chhaoni, Nagpur – 440013, Maharashtra.
Mansakra	Vill. Mansakra Distt. Jabalpur Madhya Pradesh	M/s. Suryavansham Mining & Minerals (P) Ltd., 67/2 Patrakar Colony, Indore-452001, Madhya Pradesh.

K) Contribution of above Mines in 2018-19 :

Quantity (Th. Tonnes)	1210
Percentage Share to All-India Production	43

MARL

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	123856	11705	135561
Life Index (Years)			156

B) Mining Leases as on 31-3-2019 (Area in Hectares)	No. of Leases 1	Lease Area 4.23
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C) **Mines Reporting Production** :

	No. of Mines		Production (Th. Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	(5)	(4)	1970	1890
Private Sector	(5)	(4)	1970	1890
Captive	(5)	(4)	1970	1890
'A' Category	(5)	(4)	1970	1890
STATES				
Gujarat	(4)	(3)	1871	1795
Tamil Nadu	(1)	(1)	99	95

D) **Production Trend** :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Th. Tonnes)	2179	2390	2204	1970	1890
Value (Rs. '000)	257598	319957	317886	331289	325121

E) Closing Stock:	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Th. Tonnes)	1022	1227	1321	1226	1042

F) **Employment** :

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

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

*: Associated with Limestone.

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
Percentage Share to the Value of Exports of All Minerals	-	-	-	-	-
Imports					
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
Percentage Share to the Value of Imports of All Minerals	-	-	-	-	-

I) Exports/Imports by Country in 2018-19:

Exports	
Quantity (Tonnes)	-
Value (Rs. crore)	-
Imports	
Quantity (Tonnes)	-
Value (Rs. crore)	-

J) Perlite Mines in 2018-19: Nil

K) Contribution of above mine in 2018-19:

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

PYRITES

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Million Tonnes)	-	1674	1674
Life Index (Years)	:		N.E.

B) Mining Leases as on 31-3-2019 (Area in Hectares)	:	No. of Leases N.A	Lease Area N.A
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C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	-	-	-	-
Public Sector	-	-	-	-
Captive	-	-	-	-
'A' Category	-	-	-	-
STATE				
Bihar	-	-	-	-

D) **Production Trend** :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)		-	-	-	-	-

F) **Employment** :

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

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 31-3-2019 (Area in Hectares)	:	No. of Leases	Lease Area
		1	27.66

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	----- No Production reported -----			
Public Sector	- do -			
Non-Captive	- do -			
'B' Category	- do -			
STATE				
Odisha	- do -			

D) Production Trend :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (kg)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:	2014-15	2015-16	2016-17	2017-18	2018-19(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 : **2014-15** **2015-16** **2016-17** **2017-18(r)** **2018-19(p)**
Quantity (tonnes) N.A. N.A. N.A. N.A. N.A.

H) Exports/Imports Trend :

Exports (Salts (other than common salt))	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. tonnes)	4776	5927	7898	9970	12755
Value (Rs. crore)	639.07	670.12	745.08	940.27	1462.73
Percentage Share to the Value of Exports of All Minerals	0.36	0.39	0.37	0.47	0.67
Imports (Salts (other than common salt))					
Quantity (tonnes)	41300	55642	52901	67555	78712
Value (Rs. crore)	11.36	17.37	17.37	29.18	47.29
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2018-19:

Exports	China P Rp	Korea Rp	Japan	Qatar	Vietnam	Others
Quantity (Th. tonnes)	7187	1600	1089	661	502	1716
Value (Rs. crore)	802.56	150.03	113.66	87.32	57.03	252.12
Imports	Pakistan	UK	China P Rp	Germany	Thailand	Others
Quantity (tonnes)	75445	1499	636	328	256	548
Value (Rs. crore)	26.38	1.81	0.57	2.26	0.65	15.61

J) Salt (Rock) Mines in 2018-19 :

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

K) Contribution of above Mines in 2018-19:

Quantity (tonnes) 17
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 31-3-2019 (Area in Hectares)	No. of Leases	Lease Area
	N.A.	N.A.

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	4	3	469	2906
Public Sector	3	2	469	2906
Private Sector	1	1	-	-
Non-captive	3	2	469	2906
Captive	1	1	-	-
'A' Category	1	1	-	-
'B' Category	3	2	469	2906
STATE				
Rajasthan	4	4	469	2906

D) Production Trend :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (tonnes)	207	3103	4328	469	2906
Value (Rs. '000)	456	6206	8656	939	5812

E) Closing Stock	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (tonnes)	-	-	-	-	885

F) Employment :

Average Number of Persons Employed per Day	21	15
Percentage Share of Employment to Total for MCDR Minerals	0.02	0.01

G) Domestic Consumption Trend : 2014-15 2015-16 2016-17 2017-18(r) 2018-19(p)
Quantity (tonnes) N.A. N.A. N.A. N.A. N.A.

H) Exports/Imports Trend :

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
Percentage Share to the Value of Exports of All Minerals	-	-	-	-	-
Imports					
Quantity (tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
Percentage Share to the Value of Imports of All Minerals	-	-	-	-	-

I) Exports/Imports by Country in 2018-19:

Exports	
Quantity (tonnes)	-
Value (Rs. crore)	-
Imports	
Quantity (tonnes)	-
Value (Rs. crore)	-

J) Selenite Mine in 2018-19 :

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

K) Contribution of above Mines in 2018-19 :

Quantity (tonnes) 2906
Percentage Share to All-India Production 100

SILICEOUS EARTH

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

Life Index (Years) : N.E.

B) Mining Leases as on 31-3-2019: (Area in Hectares)	No. of Leases	Lease Area
	46	324.03

C) **Mines Reporting Production** :

	No. of Mines		Production (tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	15	16	86662	77739
Private Sector	15	16	86662	77739
Captive	1	1	8390	5405
Non-captive	14	15	78272	72334
'A' Category	2	2	15930	27350
'B' Category	13	14	70732	50389
STATE				
Rajasthan	15	16	86662	77739

D) **Production Trend** :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (tonnes)	-	47386	77270	86662	77739
Value (Rs. '000)	-	20735	55340	53164	51897

E) **Closing Stock** : 2014-15 2015-16 2016-17 2017-18 2018-19(p)
Quantity (tonnes) - 45029 72980 93014 86278

F) **Employment** :

Average Number of Persons Employed per Day	106	112
Percentage Share of Employment to Total for MCDR Minerals	0.09	0.10

G) Domestic Consumption Trend	:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend :

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
Percentage Share to the Value of Exports of All Minerals	-	-	-	-	-
Imports					
Quantity (tonnes)	-	-	-	-	-
Value (Rs. crore)	-	-	-	-	-
Percentage Share to the Value of Imports of All Minerals	-	-	-	-	-

J) Exports/Imports by Country in 2018-19:

Exports	
Quantity (Th. tonnes)	-
Value (Rs. crore)	-
Imports	
Quantity (tonnes)	-
Value (Rs. crore)	-

J) Five Principal Siliceous Earth Mines in 2018-19:

Name of Mine	Location of Mine	Address of Mine Owner
Mokhab (58/201)	Vill. Mokhab, Distt. Barmer, Rajasthan.	Babu lal Mali, Vill. Mokhab, Tehsil. Shiv Barmer – 344 701, Rajasthan.
Sajit (140/2013)	Vill. Sajt, Distt. Jaisalmer, Rajasthan.	Balbeer Singh Rathore, Jayani, Post. Katholi, Tehsil-Jayal, Nagaur – 341 001, Rajasthan.
Bhiyasar (16/93)	Vill. Bhiyar, Distt. Jaisalmer Rajasthan	Jay Sri Ram Minerals, Surya Prakash Parmar, Swamiyon ka Vas, Barmer – 344 701, Rajasthan.
Kapuriya (11/08)	Vill. Kapuriya, Distt. Jaisalmer Rajasthan	Seema Mineral & Metals, 203, A, Mewar, Industrial Area, Madri, Udaipur – 313 003, Rajasthan.
Kapuria (1/01)	Vill. Kapuria, Distt. Jaisalmer Rajasthan	Seema Mineral & Metals, 203, A, Mewar, Industrial Area, Madri, Udaipur – 313 003, Rajasthan.

K) Contribution of above Mines in 2018-19:

Quantity (tonnes)	55105
Percentage Share to All-India Production	70.89

SILLIMANITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015	6502	63702	70204
(Th. tonnes)			
Life Index (Years)			705
B) Mining Leases as on 31-3-2019	No. of Leases		Lease Area
(Area in Hectares)	1		4.64

C) **Mines Reporting Production** :

	No. of Mines		Production (tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	5(4)	6(4)	81638	69033
Public Sector	4	5	24326	24419
Private Sector	1(4)	1(4)	57312	44614
Non-Captive	5(4)	6(4)	81638	69033
'A' Category	4(1)	5(1)	77833	55406
'B' Category	1(3)	1(3)	3805	13627
STATES				
Andhra Pradesh	(1)	(1)	53749	31243
Kerala	2	3	7538	7327
Maharashtra	1(3)	1(3)	3194	13404
Meghalaya	1	1	459	24
Odisha	1	1	16698	17035

D) **Production Trend** :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (tonnes)	66273	69942	68131	81638	69033
Value (Rs. '000)	456050	509314	535949	671690	559792

E) Closing Stock	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (tonnes)	21239	24430	28555	21635	16324

F) **Employment** :

Average Number of Persons Employed per Day	1678	1883
Percentage Share of Employment to Total for MCDR Minerals	1.46	1.65

() : Figures in parentheses indicate associated mines with garnet and kyanite.

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (tonnes)	28200	38100	24200	75900 ^D	56100 ^D

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (tonnes)	17304	15078	14064	16193	9986
Value (Rs. crore)	14.13	11.08	11.47	17.18	11.19
Percentage Share to the Value of Exports of All Minerals	0.01	0.01	0.01	0.01	0.01
Imports					
Quantity (tonnes)	116	214	24	18	99
Value (Rs. crore)	1.08	0.90	0.30	++	++
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2018-19:

Exports	China P Rp	Germany	Japan	Nepal	Thailand	Others
Quantity (tonnes)	8294	505	457	333	90	307
Value (Rs. crore)	8.66	0.59	1.08	0.20	0.18	0.49
Imports	Ukraine	Hong Kong	Japan	China P Rp	USA	Others
Quantity (tonnes)	52	28	7	6	5	1
Value (Rs. crore)	++	++	++	++	++	++

J) Five Principal Sillimanite Mines in 2018-19 :

Name of Mine	Location of Mine	Address of Mine Owner
Vatsavalasa#	Vill. Vatsavalasa & Tonangi Distt. Srikakulam Andhra Pradesh	Trimex Sands Private Limited, Trimex Towers, No-1, Subbraya 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.
Pavri Kyanite Mine*	Vill. Sakra Distt. Bhandara Maharashtra	Pavri Kyanite Mine, A-1 Indra Sagar, Ravindranath Tagore Marg, Civil Line, Nagpur – 440 001, 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 Mine, A-1 Indra Sagar, Ravindranath Tagore Marg, Civil Line, Nagpur – 440 001, Maharashtra.

K) Contribution of above Mines in 2018-19 :

Quantity (tonnes)	68489
Percentage Share to All-India Production	99.21

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

SILVER*

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 :			
(Th. Tonnes) Ore	150444	361511	511955
Metal	7	23	30
 Life Index (Years) :			 22

B) Mining Leases as on 31-3-2019 :	No. of Leases	Lease Area
(Area in Hectares)	N.A.	N.A.

C) Production of Silver :

	Production (kg)	
	2017-18	2018-19(p)
INDIA	557691	679376
Public Sector	173	204
Private Sector	557518	679172
STATES		
Karnataka	173	204
Rajasthan	557518	679172

D) Production Trend :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (kg)	327647	426443	460811	557691	679376
Value (Rs. '000)	11947028	15212374	18320758	21179042	25824746

E) Closing Stock :	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (kg)	-	-	-	-	-

F) Employment :

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

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

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	5	24	33	29	35
Value (Rs. crore)	34.63	48.15	75.65	65.91	81.84
Percentage Share to the Value of Exports of All Metals	0.02	0.03	0.04	0.03	0.05
Imports					
Quantity (Tonnes)	7708	7428	3359	5879	7474
Value (Rs. crore)	27686.37	24435.80	12329.33	20724.89	26188.63
Percentage Share to the Value of Imports of All Metals	6.90	6.26	3.65	5.03	2.02

I) Exports/Imports By Country In 2018-19 :

Exports	USA	UAE	Germany	Iran	Canada	Others
Quantity (Tonnes)	14	4	4	2	2	9
Value (Rs. crore)	29.90	20.12	6.56	7.57	3.87	13.82
Imports	UK	Hong Kong	Russia	USA	China	Others
Quantity (Tonnes)	2090	1999	652	648	640	1445
Value (Rs. crore)	7296.57	6861.54	2269.69	2132.56	2239.47	5388.80

J) Producers of Silver in 2018-19 :

Name of Smelter / Mine	Location of Smelter / Mine	Address of Producer / Mine Owner
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 2018-19 :

Quantity (kg)	679376
Percentage Share to All-India Production	100

SULPHUR*

Items	Reserves	Remaining Resources	Total
A) Recoverable Reserves 1-4-2015 (Th. Tonnes) Sulphur (Native)	-	210	210

Life Index (Years) : N. E.

B) Mining Leases as on 31-3-2019 (Area in Hectares)	No. of Leases N.A.	Lease Area N.A.
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C) Production of Sulphur :

	No. of Units [§]		Production (Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	12	12	825173	890400
Public Sector	12	12	825173	890400
STATES				
Assam	4	4	8051	7100
Bihar	1	1	7330	7050
Gujarat	1	1	95343	91962
Haryana	1	1	180431	176755
Kerala	1	1	155695	225857
Maharashtra	1	1	58904	46967
Odisha	1	1	231075	239344
Uttar Pradesh	1	1	47691	51738
West Bengal	1	1	40653	43627

D) Production Trend :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)	429258	473322	560826	825173	890400

E) Closing Stock	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)	NA	NA	NA	NA	NA

F) Employment :

Average Number of Persons Employed per Day - -

Percentage Share of Employment to Total for MCDR Minerals - -

* 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: 2014-15 2015-16 2016-17 2017-18(r) 2018-19(p)

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

H) Exports/Imports Trend:

	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Exports					
Quantity (Tonnes)	397399	628164	616472	573856	479651
Value (Rs. crore)	371.41	515.71	346.94	425.44	433.25
Percentage Share to the Value of Exports of All Minerals	0.21	0.30	0.17	0.21	0.20
Imports					
Quantity (Th. Tonnes)	1626	1433	1345	1206	1347
Value (Rs. crore)	1744.54	1417.26	875.14	1062.88	1521.97
Percentage Share to the Value of Imports of All Minerals	0.16	0.19	0.11	0.10	0.12

I) Exports/Imports by Country in 2018-19:

Exports	China P Rp	Papua N Gna	Tanzania	Sri Lanka	Nepal	Others
Quantity (Tonnes)	435881	34620	5634	1148	1119	1249
Value (Rs. crore)	380.02	32.32	11.15	2.31	1.93	5.52
Imports	UAE	Qatar	S. Arab	Japan	Kuwait	Others
Quantity (Th. Tonnes)	492	458	152	65	47	133
Value (Rs. crore)	547.66	508.36	185.33	77.51	50.26	152.86

J) Sulphur Producing Units in 2018-19 : (As By-Product)

Location of Unit	Address of Owner
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 2018-19 :

Quantity (Tonnes) 890400

Percentage Share to All-India Production 100

TIN CONCENTRATES

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 :			
(Tonnes) Ore	4419	83720749	83725168
Metal	154	102259	102413
Life Index (Years) Tin Ore :			N.E.

B) Mining Leases as on 31-3-2019 :	No. of Leases	Lease Area
(Area in Hectares)	13	291.23

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	6	5	16758	21211
Public Sector	1	1	14227	20054
Private Sector	5	4	2531	1157
Captive	5	4	2531	1157
Non-captive	1	1	14227	20054
'B' Category	6	5	16758	21211
STATE				
Chhattisgarh	6	5	16758	21211

D) Production Trend :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (kg)	24685	13541	12121	16758	21211
Value (Rs. '000)	18528	9231	8736	11347	13839

E) Closing Stock :	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Kg)	8093	3683	6989	5136	9315

F) Employment :

Average Number of Persons Employed per Day	16	9
Percentage Share of Employment to Total for MCDR Minerals	0.01	0.01

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports (Tin ores & concs.)	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	-	-	-	++	++
Value (Rs. crore)	-	-	-	++	0.01
Percentage Share to the Value of Exports of All Minerals	-	-	-	++	++
Imports (Tin ores & concs.)					
Quantity (Tonnes)	-	82	68	57	6
Value (Rs. crore)	-	5.80	3.73	5.70	++
Percentage Share to the Value of Imports of All Minerals	-	++	++	++	++

I) Exports / Imports by Country in 2018-19 :

Exports	Nigeria	
Quantity (Tonnes)	++	
Value (Rs. crore)	0.01	
Imports	Tanzania Rep	Others
Quantity (Tonnes)	6	++
Value (Rs. crore)	++	++

J) Five Principal Tin Concentrate Mine in 2018-19 :

Name of Mine	Location of Mine	Address of Mine Owner
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 2018-19 :

Quantity (Kg)	21211
Percentage Share to All-India Production	100

TUNGSTEN CONCENTRATES

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

B) Mining Leases as on 31-3-2019 :	No. of Leases	Lease Area
(Area in Hectares)	N.A.	N.A.

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	----- No Production reported -----			
Public Sector	- do -			
Non-Captive	- do -			
'A' Category	- do -			
'B' Category	- do -			
STATE				
Rajasthan	- do -			

D) Production Trend :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (kg)	-	-	-	-	-
Value (Rs.'000)	-	-	-	-	-

E) Closing Stock :	2014-15	2015-16	2016-17	2017-18	2018-19(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 : **2014-15** **2015-16** **2016-17** **2017-18(r)** **2018-19(p)**
Quantity (Tonnes) N.A. N.A. N.A. N.A. N.A.

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	175	1	8	30	34
Value (Rs. crore)	2.97	0.04	0.61	2.99	4.32
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports					
Quantity (Tonnes)	191	78	283	350	461
Value (Rs. crore)	6.16	3.41	2.96	2.36	6.45
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2018-19 :

Exports	Vietnam Soc Rep			
Quantity (Tonnes)	34			
Value (Rs. crore)	4.32			
Imports	Netherland	Kuwait	Brazil	Thailand
Quantity (Tonnes)	320	111	25	5
Value (Rs. crore)	4.08	1.52	++	0.57

J) Tungsten Concentrate Mines in 2018-19 : Nil

K) Contribution of above Mine in 2018-19 :

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

VERMICULITE

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

Life Index (Years) : 156

B) Mining Leases as on 31-3-2019 (Area in Hectares)	No. of Leases 59	Lease Area 1004.89
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C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	5	5	6054	3161
Public Sector	1	1	1264	705
Private Sector	4	4	4790	2456
Non-captive	5	5	6054	3161
'B' Category	5	5	6054	3161
STATES				
Andhra Pradesh	4	4	4790	2456
Rajasthan	-	-	-	-
Tamil Nadu	1	1	1264	705

D) **Production Trend** :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)	19336	23279	9042	6054	3161
Value (Rs. '000)	12479	10556	8162	7075	3808

E) Closing Stock	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)	17899	29045	27570	26915	25693

F) **Employment** :

Average Number of Persons Employed per Day	71	55
Percentage Share of Employment to Total for MCDR Minerals	0.06	0.05

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	900	1600	6338 ^(@)	5923 ^(@)	3188 ^(@)

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	1044	528	756	453	583
Value (Rs. crore)	0.99	0.64	0.83	0.51	0.73
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports					
Quantity (Tonnes)	391	439	551	321	611
Value (Rs. crore)	1.15	1.51	1.44	0.74	1.62
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2018-19 :

Exports	UAE	Japan	Norway	Nepal	S. Arab	Others
Quantity (Tonnes)	175	145	144	26	25	68
Value (Rs. crore)	0.21	0.21	0.14	0.01	0.04	0.11
Imports	Brazil	Mozambique	China P Rp	S. Africa	Japan	Others
Quantity (Tonnes)	462	105	22	20	2	++
Value (Rs. crore)	1.20	++	++	++	++	++

J) Five Principal Vermiculite Mines in 2018-19:

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 – 600005, Tamil Nadu.
Kandali Vermiculite Mine-2	Vill. Kandali Distt. Nellore Andhra Pradesh	B. Koteswara Rao, 558.53-4A Swarna Bharathi Nagar, Malavaya 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, Malavaya Nagar, Gudur, Nellore-524 101, A. P.

K) Contribution of above Mines in 2018-19 :

Quantity (Tonnes)	3161
Percentage Share to All-India Production :	100

(@) : Apparent consumption

WOLLASTONITE

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

Life Index (Years) : 72

B) Mining Leases as on 31-3-2019 (Area in Hectares)	No. of Leases	Lease Area
	16	327.58

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2017-18	2018-19(p)	2017-18	2018-19(p)
INDIA	4	3	153049	184063
Private Sector	4	3	153049	184063
Non-captive	4	3	153049	184063
'A' Category	1	1	140829	179323
'B' Category	3	2	12220	4740
STATE				
Rajasthan	4	3	153049	184063

D) **Production Trend** :

	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)	186524	175348	166186	153049	184063
Value (Rs. '000)	162113	150313	158823	126025	173972

E) Closing Stock	:	2014-15	2015-16	2016-17	2017-18	2018-19(p)
Quantity (Tonnes)		3418	13896	17782	25518	82545

F) **Employment** :

Average Number of Persons Employed per Day		279	247
Percentage Share of Employment to Total for MCDR Minerals		0.24	0.22

G) Domestic Consumption Trend:	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Th. Tonnes)	197	164	153 ^D	144 ^D	127 ^D

H) Exports/Imports Trend:

Exports	2014-15	2015-16	2016-17	2017-18(r)	2018-19(p)
Quantity (Tonnes)	17864	16616	16700	12479	13786
Value (Rs. crore)	28.81	27.93	29.35	22.49	27.91
Percentage Share to the Value of Exports of All Minerals	0.02	0.02	0.01	0.01	0.01
Imports					
Quantity (Tonnes)	1948	2818	3483	11461	26483
Value (Rs. crore)	3.25	5.32	7.31	15.64	33.16
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2018-19 :

Exports	Belgium	Japan	Germany	France	Hungary	Others
Quantity (Tonnes)	7149	2940	1898	528	434	837
Value (Rs. crore)	14.95	5.06	4.01	1.33	0.77	2.00
Imports	China P Rp	Canada	Thailand	Mexico	USA	Others
Quantity (Tonnes)	26187	100	85	70	18	23
Value (Rs. crore)	31.41	0.65	++	++	++	++

J) Wollastonite Mines in 2018-19 :

Name Of Mine	Location Of Mine	Address Of Mine Owner
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 2018-19 :

Quantity (Tonnes)	184063
Percentage Share to All-India Production :	100

D : Despatches.