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MINISTRY OF MINES
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INDIAN BUREAU OF MINES
खनन एवं खनिज सांख्यिकी प्रभाग
MINING & MINERAL STATISTICS DIVISION

**Statistical Profiles
of
Minerals**

2019-20

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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 2019-20 is the 36th 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 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 issues of the publication. The data on reserves, life index and mining leases are provided by the Mineral Economics Division of the IBM.

Data on production for 2018-19 are based on the production reported by the mine owners through Annual/Monthly returns under the provisions of the MCDR 2017 while those for 2019-20 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 2015-16 to 2019-20 and country-wise information is given for the year 2019-20 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 2015-16 to 2019-20. Country-wise break-up of some of the minerals at 8- digit ITC (HS) code level is not available for the year 2019-20. 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) Total Resources 1-4-2015 (Th. tonnes)	29	24016	24045

Life Index (Years) : Very Large

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases 1	Lease Area 13.47
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C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	1*	-	-	-
Public Sector	1*	-	-	-
Private Sector	-	-	-	-
Non-captive	1*	-	-	-
'A' Category	1*	-	-	-
'B' Category	-	-	-	-
STATES				
Andhra Pradesh	-	-	-	-
West Bengal	1*	-	-	-

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)	110	-	-	-	-
Value (Rs. '000)	387	-	-	-	-

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. tonnes)		7	7	7	7	7

F) Employment :

Average Number of Persons Employed per Day	1	-
Percentage Share of Employment to Total for MCDR Minerals	-	-

*Only labour reported

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19 (r)	2019-20(p)
Quantity (Th. tonnes) (Apatite & Rock Phosphate)	4442	1994	9236 ^(@)	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(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 2019-20 :

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

J) Apatite Mines in 2019-20 :

Name of Mine	Location of Mine	Address of Mine Owner
-----Nil-----		

K) Contribution of above Mines in 2019-20 :

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

(@) : Apparent Consumption

ASBESTOS

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

Life Index (Years) : Very Large

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases	Lease Area
	-	-

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	-	-	-	-
Private Sector	-	-	-	-
Non-captive	-	-	-	-
'A' Category	-	-	-	-
'B' Category	-	-	-	-
STATES				
Andhra Pradesh	-	-	-	-
Rajasthan*	-	-	-	-
GRADES				
Chrysotile	-	-	-	-

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)		-	-	-	-	-

F) Employment :

Average Number of Persons Employed per Day - -

Percentage Share of Employment to Total for MCDR Minerals - -

* : Producing Felspar and Quartz as associated mineral.

G) Domestic Consumption Trend	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
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Quantity (Th. tonnes)	N.A	N.A	N.A	N.A.	N.A.
-----------------------	-----	-----	-----	------	------

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (tonnes)	524	102	132	1112	1002
Value (Rs. crore)	2.36	0.10	0.09	3.39	3.09
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports					
Quantity (tonnes)	355686	310592	357182	364105	361164
Value (Rs. crore)	1486.55	1127.94	1160.3	1225.31	1243.23
Percentage Share to the Value of Imports of All Minerals	0.20	0.14	0.11	0.09	0.11

D) Exports/Imports by Country in 2019-20:

Exports	Bangladesh		Sri Lanka Dsr		Nepal		Others	
Quantity (tonnes)	925		72		5		--	
Value (Rs. crore)	2.80		0.29		++		--	
Imports	Russia	Brazil	Hungary	Kazakhstan	South Africa		Others	
Quantity (tonnes)	307429	12606	11457	9391	8657		11624	
Value (Rs. crore)	1056.51	43.30	41.01	32.36	32.47		37.58	

J) Principal Asbestos Mines in 2019-20:

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

K) Contribution of above Mines in 2019-20:

Quantity (tonnes) -----

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

BAUXITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. tonnes)	656422	3240442	3896864
Life Index (Years)	:		101
B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases 363		Lease Area 30083.94
C) Mines Reporting Production	:		

	No. of Mines		Production (Th. tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	157(6)	138(6)	23690	21824
Public Sector	20	21	10911	10860
Private Sector	137(6)	117(6)	12779	10964
Captive	54	46	17388	15650
Non-captive	103(6)	92(6)	6302	6174
'A' Category	37	37	18945	18547
'B' Category	120(6)	101(6)	4745	3277
STATES				
Chhattisgarh	16	15	1502	1566
Goa	1*	-	1	-
Gujarat	78	66	2185	2074
Jharkhand	23	19	2413	1419
Karnataka	-	1*	-	-
Madhya Pradesh	20(6)	20(6)	750	686
Maharashtra	14	12	1425	596
Odisha	5	5	15414	15483
Tamil Nadu	-	-	-	-
For use in alumina and aluminium metal extraction[§]				
Above 60% Al ₂ O ₃			-	-
55 – 60% Al ₂ O ₃			-	6
50 – 55% Al ₂ O ₃			20	2
45 – 50% Al ₂ O ₃			833	120
40 – 45% Al ₂ O ₃			19183	18636
Below 40% Al ₂ O ₃			365	261
For use other than alumina and aluminium metal extraction[§]				
Cement			2706	2283
Abrasive			9	66
Refractory			217	121
Chemical			357	329

D) Production Trend	:				
	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. tonnes)	28124	24745	22786	23690	21824
Value (Rs. '000)	15437694	14865504	15784174	17836033	15785647

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. tonnes)		14093	16301	18072	19927	20749

F) Employment	:		
Average Number of Persons Employed per Day		6093	5574
Percentage Share of Employment to Total for MCDR Minerals		5.40	4.98

() : Figures in parentheses indicate additional mines associated with iron ore & limestone.

[§] : Substituted by G.S.R. 330(E), dated 10.4.2003. *: Only labour reported

G) Domestic Consumption Trend	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. tonnes)		19622	20937	20631	22189	N.A.

H) Exports/Imports Trend :

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. tonnes)	8915	2791	1529	1510	524
Value (Rs. crore)	1952.74	510.53	270.50	304.53	142.13
Percentage Share to the Value of Exports of All Minerals	1.14	0.26	0.14	0.14	0.07
Imports					
Quantity (Th. tonnes)	1895	1895	1461	2255	2247
Value (Rs. crore)	778.51	778.51	772.71	1336.41	1081.78
Percentage Share to the Value of Imports of All Minerals	0.10	0.10	0.08	0.10	0.09

I) Exports/Imports by Country in 2019-20:

Exports	Kuwait	Nepal	Qatar	Oman	Slovenia	Others
Quantity (Th. tonnes)	245	127	105	16	11	20
Value (Rs. crore)	41.56	30.04	14.16	2.58	15.91	37.88
Imports	Guinea	Sierra Leone	China P Rp	Solomon Is	Hong Kong	Others
Quantity (Th. tonnes)	1956	169	56	49	10	7
Value (Rs. crore)	812.67	77.49	138.03	17.28	21.85	14.46

J) Five Principal Bauxite Mines in 2019-20:

Name of Mine	Location of Mine	Address of Mine Owner
Panchpatmali	Vill. Panchpatmali Distt. Koraput Odisha	National Aluminium Co. Ltd, Nalco Bhawan, P-1 Nayapalli, Bhubaneswar, Khurda – 751 061, Odisha.
Baphlimali	Vill. Paikkupakhal 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, Bhubaneshwar, Kurda – 751 001, Odisha
Bodai Daldali	Vill. Semsata Distt. Kabirdam Chhattisgarh	Bharat Aluminium Co. Ltd., Balco Township, Korba - 495 684, Chhattisgarh.
Panchpatmali (South Block)	Vill. Panchpatmali Distt. Koraput Odisha	National Aluminium Co. Ltd, Nalco Bhawan, P-1 Nayapalli, Bhubaneswar, Khurda – 751 061, Odisha.

K) Contribution of above Mines in 2019-20:

Quantity (Th. tonnes)	15953
Percentage Share to All-India Production:	73

CHROMITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (All Grades) (Th. tonnes)	102210	241806	344016

Life Index (Years) : 72

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases 27	Lease Area 7687.85
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C) Mines Reporting Production :

	No. of Mines		Production (Th. tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	26	22	3971	3929
Public Sector	11	09	1238	810
Private Sector	15	13	2733	3119
Captive	5	5	819	794
Non-captive	21	17	3152	3135
'A' Category	22	20	3826	3785
'B' Category	4	2	145	144
STATES				
Karnataka	3*	2*	-	-
Maharashtra	1*	-	-	-
Odisha	22	20	3971	3929
GRADES				
Above 52% Cr ₂ O ₃	Lumps		-	-
	Fines		1689	1617
40 - 52% Cr ₂ O ₃	Lumps		103	95
	Fines		1131	1079
Below 40% Cr ₂ O ₃	Lumps		88	73
	Fines		709	830
Concentrates			251	235

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. tonnes)	2916	3728	3481	3971	3929
Value (Rs. '000)	21214490	31937475	32037005	36850747	33326588

E) Closing Stock	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. tonnes)	2560	2694	2270	2253	2411

F) Employment :

Average Number of Persons Employed per Day	7245	5891
Percentage Share of Employment to Total for MCDR Minerals	6.42	5.26

* : Only labour reported.

G) Domestic Consumption Trend :	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. tonnes)	2448	2289	2575	1920	N.A.

H) Exports/Imports Trend :

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. tonnes)	72	231	82	39	34
Value (Rs. crore)	131.41	365.77	174.30	133.77	86.79
Percentage Share to the Value of Exports of All Minerals	0.08	0.18	0.09	0.06	0.05
Imports					
Quantity (Th. tonnes)	188	154	161	163	125
Value (Rs. crore)	226.64	210.51	298.19	315.44	206.50
Percentage Share to the Value of Imports of All Minerals	0.03	0.03	0.03	0.03	0.02

I) Exports/Imports by Country in 2019-20 :

Exports	China P Rp		Spain	S. Africa		Nepal
Quantity (Th. tonnes)	32		1.5	0.3		++
Value (Rs. crore)	79.56		6.34	0.89		++
Imports	S. Africa	Oman	Singapore	Madagascar	Switzerland	Others
Quantity (Th. tonnes)	99	14	4	3	3	2
Value (Rs. crore)	175.74	14.11	5.13	4.02	3.12	4.38

J) Five Principal Chromite Mines in 2019-20 :

Name of Mine	Location of Mine	Address of Mine Owner
Bhimtargar (Sukinda)	Vill. Bhimtargar Distt. Jajpur Odisha	Tata Steel Ltd., Bombay House, 24, HomiMody 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.
Saruabil	Vill. Saruabil Distt. Jajpur Odisha	Misrilal Mines (P) Ltd., Mineral House, 27-A, Camac Street, Kolkata– 700 016, West Bengal.
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.

K) Contribution of above Chromite Mines in 2019-20:

Quantity (Th. tonnes) 3347

Percentage Share to All-India Production 85

COPPER ORE & CONCENTRATES

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 :			
(Th. tonnes) a) Ore	207767	1303730	1511498
b) Metal	2735	9423	12158
Life Index (Years) (Ore) :			183

B) Mining Leases as on 31-3-2020(p) :	No. of Leases	Lease Area
Ore (Area in Hectares)	12	4179.73

C) Mines Reporting Production :

	No. of Mines		Production(Th. tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
India	5	5		
Ore			4135	3952
Concentrates			144	125
Public Sector	5	5		
Ore			4135	3952
Concentrates			144	125
Captive	5	5		
Ore			4135	3952
Concentrates			144	125
'A' Category	5	5		
Ore			4135	3952
Concentrates			144	125

STATES	No. of Mines		Production (Th. tonnes)			
	2018-19	2019-20(p)	2018-19		2019-20(p)	
			Qty	Cu%	Qty	Cu%
Jharkhand	2	2				
Ore			243	0.79	288	0.78
Concentrates			7	25.98	8	24.57
Madhya Pradesh	1	1				
Ore			2542	0.84	2544	0.70
Concentrates			71	27.37	65	25.00
Rajasthan	2	2				
Ore			1350	0.96	1120	0.87
Concentrates			66	17.09	52	16.85

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. tonnes)					
Ore	3908	3846	3678	4135	3952
Concentrates	152	135	142	144	125
Value (Rs. '000)					
Concentrates	6548318	6506133	7706611	8846152	8445828

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. tonnes) Ore	91	67	55	190	264
Concentrates	42	38	44	50	64

F) Employment :

Average Number of Persons Employed per Day	3449	3842
Percentage Share of Employment to Total for MCDR Minerals	3.06	3.43

G) Domestic Consumption Trend	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend :

Exports (Ores & Concentrates)	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (tonnes)	11432	22711	61005	181642	212659
Value (Rs. crore)	71.29	105.43	380.55	1662.76	2045.09
Percentage Share to the Value of Exports of All Minerals	0.04	0.05	0.19	0.76	1.08
Imports (Ores & Concentrates)					
Quantity (tonnes)	1886199	1143216	1488163	823938	821555
Value (Rs. crore)	26296.54	18298.7	27834.48	12146.2	8667.52
Percentage Share to the Value of Imports of All Minerals	3.56	2.26	2.71	0.93	0.75

I) Exports/Imports by Country in 2019-20:

Exports	China P Rp	Malaysia	Taiwan	Korea Rp	Vietnam Soc Rp	Others
Quantity (tonnes)	159572	28733	21046	3181	109	18
Value (Rs. crore)	1372.38	379.23	271.40	21.60	0.35	0.13
Imports	Chile	Peru	Australia	Saudi Arab	Indonesia	Others
Quantity (tonnes)	520728	97175	71973	31389	30150	70140
Value (Rs. crore)	5612.74	874.89	617.08	314.23	493.27	755.31

J) Copper Ore Mines in 2019-20:

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 2019-20:

Quantity (Th. tonnes) (Copper Ore)	3952
Percentage Share to All-India Production	100

DIAMOND

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. carats)	: 960	30876	31836
Life Index (Years)	:		73

B) Mining Leases as on 31-3-2020(p)	:	No. of Leases	Lease Area
(Area in Hectares)		2	275.96

C) Mines Reporting Production :

	No. of Mines		Production (carats)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	2	2	38437	28816
Public Sector	2	2	38437	28816
Non-captive	2	2	38437	28816
'A' Category	1	1	38127	28523
'B' Category	1	1	310	293
STATE				
Madhya Pradesh	2	2	38437	28816

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (carats)	36044	36491	39699	38437	28816
Value (Rs. '000)	621441	639562	374110	539062	398070

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (carats)		14084	24102	25637	39163	33938

F) Employment :

Average Number of Persons Employed per Day	131	156
Percentage Share of Employment to Total for MCDR Minerals	0.12	0.14

H) Exports/Imports Trend :

I) Exports/Imports by Country in 2019-20 :

J) Diamond Mines in 2019-20 :

K) Contribution of above Mines in 2019-20 :

Percentage Share to All-India Production 100

13

EMERALD

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

B) Mining Leases as on 31-3-2020(p)	:	No. of Leases	Lease Area
(Area in Hectares)		1	46.32

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	No Production reported			
Private Sector	- do -			
Non-Captive	- do -			
'B' Category	- do -			
STATE				
Rajasthan	- do -			

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (kg)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (kg)		-	20	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	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend :

Exports (Uncut/Cut)	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity	**	**	**	**	**
Value (Rs. crore)	1788.00	2034.02	1775.65	2302.62	1738.79
Percentage Share to the Value of Exports of All Minerals	1.05	1.02	0.89	1.05	0.92
Imports (Uncut/Cut)					
Quantity	**	**	**	**	**
Value (Rs. crore)	8726.33	11342.88	7793.47	3659.23	2440.35
Percentage Share to the Value of Imports of All Minerals	1.18	1.40	0.76	0.36	0.21

I) Exports/Imports by Country in 2019-20 :

Exports	Hong Kong	USA	Thailand	Switzerland	Italy	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	919.05	367.90	158.47	48.15	46.84	198.38
Imports	Hong Kong	Zambia	Thailand	USA	Switzerland	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	859.60	751.46	260.60	192.18	78.90	297.61

J) Emerald Mine in 2019-20 : Nil

K) Contribution of above Mine in 2019-20 :

Quantity (kg) ----

Percentage Share to All-India Production ----

** Quantity in different units.

FLINT STONE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	N.E.	N.E.	N.E.

Life Index (Years) : N.E.

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases 2	Lease Area 11.78
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C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	-	-	-	-
Private Sector	-	-	-	-
Non-captive	-	-	-	-
'B' Category	-	-	-	-
STATES				
Jharkhand	-	-	-	-

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	253	26	-	-	-
Value (Rs. '000)	76	8	-	-	-

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)		-	-	-	-	-

F) Employment :

Average Number of Persons Employed per Day - -

Percentage Share of Employment to
Total for MCDR Minerals - -

G) Domestic Consumption Trend	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend :

Exports (Flint Stone)	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	867	652	824	790	1195
Value (Rs. crore)	0.77	0.66	0.77	1.04	0.80
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports (Flint Stone)					
Quantity (Tonnes)	1279	1712	4431	6887	6279
Value (Rs. crore)	1.74	2.42	5.62	7.60	6.24
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2019-20 :

Exports (Flint Stone)	Sudan	Ethiopia	Japan	Kuwait	Chad	Others
Quantity (Tonnes)	558	148	120	119	108	142
Value (Rs. crore)	0.23	0.09	0.20	0.05	0.10	0.13
Imports (Flint Stone)	Egypt A Rep	France	UK	Italy	Greece	
Quantity (Tonnes)	4707	1461	111	++	++	
Value (Rs. crore)	3.57	2.26	0.40	0.01	++	

J) Flint Stone Mines in 2019-20:

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

K) Contribution of above Mines in 2019-20:

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 31-3-2020(p) (Area in Hectares)	No. of Leases 10	Lease Area 326.24
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C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	1	1	1079	1315
Public Sector	1	1	1079	1315
Captive	-	-	-	-
Non-captive	1	1	1079	1315
'A' Category	-	-	-	-
'B' Category	1	1	1079	1315
STATES				
Gujarat	-	-	-	-
Maharashtra	1	1	1079	1315

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	2333	1175	1314	1079	1315
Value (Rs. '000)	12965	6733	8646	8117	8769

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes) (Graded)		96619	97794	97359	97597	97750

F) Employment :

Average Number of Persons Employed per Day 44 40

Percentage Share of Employment to Total for MCDR Minerals 0.04 0.04

G) Domestic Consumption Trend	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)		63500	4000	215223 ^(@)	259167 ^(@)	N.A.

H) Exports/Imports Trend :

Exports (Fluorite)	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	316	608	470	534	1369
Value (Rs. crore)	1.16	2.16	1.53	2.34	5.16
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports (Fluorite)					
Quantity (Tonnes)	163113	190446	221817	265445	239589
Value (Rs. crore)	290.87	299.23	395.90	728.18	722.59
Percentage Share to the Value of Imports of All Minerals	0.04	0.04	0.04	0.06	0.06

I) Exports/Imports by Country in 2019-20 :

Exports (Fluorite)	China P Rp	Indonesia	Bhutan	Brazil	Bangladesh	Others
Quantity (Tonnes)	494	466	55	47	47	260
Value (Rs. crore)	1.01	2.47	0.13	0.33	0.12	1.10
Imports (Fluorite)	S. Africa	China P Rp	Thailand	Morocco	Vietnam Soc Rp	Others
Quantity (Tonnes)	89467	82424	35719	9612	7989	14378
Value (Rs. crore)	270.03	248.23	113.28	32.97	22.40	35.68

J) Fluorite Mines in 2019-20:

Name of Mine	Location of Mine	Address of Mine Owner
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 2019-20:

Quantity (Tonnes)	1315
Percentage Share to All-India Production	100

(@) : Apparent Consumption

GARNET

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	12784	43377	56161
Life Index (Years)			308
B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases		Lease Area
Abrasive	28		175.35
Gem	1		4.27

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
Garnet (Abrasive)				
INDIA	10(1)	5	123404	552
Public Sector	2(1)	-	45717	-
Private Sector	8	5	77687	552
Captive	-	-	-	-
Non-Captive	10(1)	5	123404	552
'A' Category	3(1)	-	73298	-
'B' Category	7	5	50106	552
STATES				
Andhra Pradesh	2	-	72521	-
Odisha	(1)	-	38376	-
Rajasthan	4	3	5166	552
Tamil Nadu	4	2	7341	-

D) Production Trend :

Garnet (Abrasive)	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)	82001	85413	158277	123404	552
Value (Rs. '000)	648124	787302	1618903	1746757	4734

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity Garnet (Abrasive) (Tonnes)		62908	67953	78008	95784	45953

F) Employment :

Average Number of Persons Employed per Day	1267	35
Percentage Share of Employment to Total for MCDR Minerals	1.12	0.09

() : Figures indicate associated mine with sillimanite.

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes)	N.A	N.A	N.A	N.A.	N.A.

H) Exports/Imports Trend:

Exports (Garnet (Abrasive))	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	480408	387276	157223	104343	74697
Value (Rs. crore)	595.09	469.18	234.66	178.39	125.45
Exports (Garnet (Cut & Uncut))					
Quantity	**	**	**	**	**
Value (Rs. crore)	2.54	24.17	41.67	49.48	36.68
Percentage Share to the Value (Abrasive)	0.35	0.23	0.12	0.08	0.07
of Exports of All Minerals (Cut & Uncut)	++	0.01	0.02	0.02	0.02
Imports (Garnet (Abrasive))					
Quantity (Tonnes)	883	2286	2256	422	391
Value (Rs. crore)	1.11	2.22	2.12	0.64	0.62
Imports (Garnet (Cut & Uncut))					
Quantity	**	**	**	**	**
Value (Rs. crore)	6.26	22.23	33.59	16.98	18.45
Percentage Share to the Value (Abrasive)	++	++	++	++	++
of Imports of All Minerals (Cut & Uncut)	++	++	++	++	++

I) Exports/Imports by Country in 2019-20:

Exports (Garnet Abrasive)	USA	UAE	Malaysia	Saudi Arab	Canada	Others
Quantity (Tonnes)	42965	8344	5692	3696	2718	11282
Value (Rs. crore)	71.28	15.56	8.48	6.73	4.34	19.06
Exports (Garnet (Cut & Uncut))	Thailand	HongKong	USA	Japan	UAE	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	11.61	11.47	6.40	1.56	0.90	4.74
Imports (Garnet Abrasive)	UAE			New Zealand		
Quantity (Tonnes)	391			++		
Value (Rs. crore)	0.61			++		
Imports (Garnet (Cut & Uncut))	Thailand	Kenya	Hong Kong	USA	Sri Lanka Dsr	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	5.20	3.77	2.60	1.29	1.21	4.38

J) Principal Garnet Mines in 2019-20:

Name of Mine	Location of Mine	Address of Mine Owner
Kodukota	Vill. Gokulpura Distt. Bhilwara Rajasthan	AKD Gem Garnet Mines, F-203, Near Mahapragya Circle, Azad Nagar, Bhilwara – 31101, Rajasthan.
Rajmahal	Vill. Rajmahal Distt. Tonk Rajasthan	Ansari Brothers, 3142, Near Mata ka Mand, Mohalla Mahavatan, Topkhana Jaipur – 302 003, Rajasthan.

K) Contribution of above Mines in 2019-20:

Garnet (Abrasive) Quantity (Tonnes)	552
Percentage Share to All-India Production	100

** 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) :			215

B) Mining Leases as on 31-3-2020(p) :	No. of Leases	Lease Area
(Area in Hectares)	11	6972.29

C) Mines Reporting Production :

	No. of Mines		Production	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	6	5		
Ore (Th. Tonnes)			566	591
Gold Bullion (kg)			1664	1724
Primary			1664	1724
Public Sector	4	4		
Ore (Th. Tonnes)			564	591
Gold Bullion (kg)			1661	1724
Private Sector	2	1		
Ore (Th. Tonnes)			2	0
Gold Bullion (kg)			3	0
Captive	6	5		
Ore (Th. Tonnes)			566	591
Gold Bullion (kg)			1664	1724
'A' Category	5	5		
Ore (Th. Tonnes)			564	591
Gold Bullion (kg)			1661	1724
'B' Category	1	0		
Ore (Th. Tonnes)			2	0
Gold Bullion (kg)			3	0
STATES				
Andhra Pradesh	1*	1*		
Ore (Th. Tonnes)			-	-
Gold Bullion (kg)			-	-
Jharkhand	1	0		
Ore (Th. Tonnes)			2	0
Gold Bullion (kg)			3	0
Karnataka	5	5		
Ore (Th. Tonnes)			564	591
Gold Bullion (kg)			1661	1724

D) Production Trend :

Quantity	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Ore (Th. Tonnes)	563	582	550	566	591
Gold Bullion (kg)	1323	1595	1650	1664	1724
Value (Rs. '000)					
Gold Bullion	3214623	4362409	4770022	5241705	6431034

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Ore) (Th. Tonnes)	106	110	68	213	151

F) Employment :

Average Number of Persons Employed per Day	3258	3092
Percentage Share of Employment to Total for MCDR Minerals	2.89	2.76

* Only labour reported

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend :

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Metal) (kg)	135275	133032	36927	507	1730
Value (Rs. crore)	32566.59	36179.54	9668.60	144.13	574.27
Percentage Share to the Value of Exports of All Metals	21.30	19.86	5.08	0.08	0.35
Imports					
Quantity (Metal) (kg)	968075	778449	955336	982697	719905
Value (Rs. crore)	207487.50	183960.13	217072.07	229536.5	199249.50
Percentage Share to the Value of Imports of All Metals	53.15	54.46	52.71	48.04	47.81

I) Exports/Imports by Country in 2019-20 :

Exports	Switzerland	S. Africa	UAE	Hong Kong	Fiji Is	Others
Quantity (Metal) (kg)	1150	425	155	++	++	++
Value (Rs. crore)	397.39	132.56	44.23	0.07	0.01	0.01
Imports	Switzerland	UAE	USA	Peru	Dominic Rep	Others
Quantity (Metal) (kg)	328413	58665	43173	41221	32239	216194
Value (Rs. crore)	24.48	4.58	2.32	2.42	0.57	13.44

J) Gold Mines in 2019-20 :

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.
Uti	Vill. Uti Distt. Raichur Karnataka	The Hutti Gold Mines Co. Ltd., Hutti, Distt. Raichur- 584 115, Karnataka.
Jonnagiri	Vill. Jonnagiri Distt. Kurnool Andhra Pradesh	Geomysore Services India Pvt. Ltd., 627, Trinity, 3 rd Cross, 3 rd block, Koramangala, Bangalore, Karnataka.

K) Contribution of above Mines in 2019-20 :

Quantity (Th. Tonnes) Gold Ore (Primary)	591
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) :			451
B) Mining Leases as on 31-3-2020(p) : (Area in Hectares)	No. of Leases 38	Lease Area 1627.36	

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	11	11	39030	31991
Public Sector	1	2	-	-
Private Sector	10	9	39030	31991
Captive	3	1	-	-
Non-captive	8	10	39030	31991
‘A’ Category	-	2	-	-
‘B’ Category	11	9	39030	31991
STATES				
Chhatisgarh	-	1*	-	-
Jharkhand	4	3	15831	19426
Karnataka	2*	2*	-	-
Kerala	1	-	-	-
Odisha	3	5	23199	12565
Tamil Nadu	1*	-	-	-
GRADES				
80% or more fixed carbon			-	615
40% or more but less than 80% fixed carbon			954	651
less than 40% fixed carbon			38076	30725

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	135528	122438	33649	39030	31991
Value (Rs. '000)	106487	94158	28229	36233	57506

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	139590	186603	177914	177944	178104

F) Employment :

Average Number of Persons Employed per Day	237	164
Percentage Share of Employment to Total for MCDR Minerals	0.21	0.15

* Only labour reported.

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	58000	67600	71700	23000	N.A.

H) Exports/Imports Trend:

Exports (Graphite (Natural))	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	286	402	910	405	609
Value (Rs. crore)	1.71	3.03	7.76	2.30	3.26
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports (Graphite (Natural))					
Quantity (Tonnes)	26160	37046	39864	47053	41405
Value (Rs. crore)	121.34	139.11	148.79	232.89	186.32
Percentage Share to the Value of Imports of All Minerals	0.02	0.02	0.01	0.02	0.02

I) Exports/Imports by Country in 2019-20 :

Exports	Malaysia	Tanzania Rp	Sudan	Bangladesh	Uganda	Others
Quantity (Tonnes)	190	158	72	35	22	132
Value (Rs. crore)	1.11	0.67	0.37	0.18	0.03	0.90
Imports	China P Rp	Madagascar	Mozambique	Brazil	Vietnam Soc Rp	Others
Quantity (Tonnes)	25189	6543	6355	1060	568	1690
Value (Rs. crore)	94.88	38.14	24.80	7.79	1.69	19.02

J) Five Principal Graphite Mines in 2019-20 :

Name of Mine	Location of Mine	Address of Mine Owner
Murma	Vill. Murma Distt. Palamau Jharkhand	Krishna Kumar Poddar 3P, 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. Latchar Jharkhand	M/s Parijat Mining Industries (India) P, Town Hall Road, Opp. Shivajee Maidan, Daltonganj , Palamau – 822 101, Jharkhand.
Gandabahali	Vill. Gandabahali Distt. Nawapara Odisha	Prabhas Chandra Agrawal, Shantikunj Farm Road Modipara, Sambalpur – 768 002, Odisha.
Purnadih	Vill. Purnadih Distt. Palamau Jharkhand	Mukesh Charan, Nawatoli, Daltonganj, Palamau – 822 101, Jharkhand.

K) Contribution of above Mines in 2019-20 :

Quantity (Tonnes)	30725
Percentage Share to All-India Production	96.04

IOLITE

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

Life Index (Years) : N.E

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	:	No. of Leases	Lease Area
		5	61.79

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	3	3	73	90
Private Sector	3	3	73	90
Non-captive	3	3	73	90
‘B’ Category	3	3	73	90
STATE				
Odisha	3	3	73	90

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (kg)	-	-	-	73	90
Value (Rs. ‘000)	-	-	-	684	579

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (kg)		2204	2204	2220	2321	2411

F) Employment :

Average Number of Persons Employed per Day	33	35
Percentage Share of Employment to Total for MCDR Minerals	0.03	0.03

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (kgs)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(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 2019-20:

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

J) Iolite Mine in 2019-20:

Name of Mine	Location of Mine	Address of Mine Owner
Labanyasar	Village. Labanyasar District. Kalahandi Odisha	Mr. Debaraj Meher At/Po-Chichaigudaps-Junagarh, Kalahandi – 766 014, Odisha.
Bondoguda	Village. Bandoguda District. Kalahandi Odisha	M/s. Manikeswari Gems Private Ltd. N-1/65 Nayapalli, I. R. C. Village, Bhubneshwar – 751 015, Odisha.

K) Contribution of above mine in 2019-20:

Quantity (kg)	90
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) :			91
(Includes Hematite & Magnetite)			

B) Mining Leases as on 31-3-2020(p) :	No. of Leases	Lease Area
Iron Ore (Area in Hectares)	431	66061.08

C) Mines Reporting Production :

	No. of Mines		Production (Th. Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	252(8)	250(8)	206494	246081
Public Sector	36	36	71036	74249
Private Sector	216(8)	214(8)	135458	171832
Captive	38	42	64295	72563
Non-captive	214(8)	208(8)	142199	173518
'A' Category	126	123	149533	176764
'B' Category	126(8)	127(8)	56961	69317
STATES				
Andhra Pradesh	16	17	654	818
Chhattisgarh	18	19	34893	34724
Goa	45	31	-	-
Jharkhand	20	19	23433	26888
Karnataka	54	60	29823	31402
Madhya Pradesh	18(6)	19(7)	2802	3333
Maharashtra	12	13	660	1131
Odisha	62(1)	63(1)	113119	146773
Rajasthan	7	9	1108	1012
Telangana	(1)	-	2	-
GRADES				
Lumps (Total)			66679	76363
Below 55% Fe			2362	3538
55% to below 58% Fe			2423	2996
58% to below 60% Fe			4925	4801
60% to below 62% Fe			6592	10671
62% to below 65% Fe			31976	35326
65% Fe and above			18401	19031
Fines (Total)			138355	168536
Below 55% Fe			6005	7881
55% to below 58% Fe			4902	14741
58% to below 60% Fe			10704	10617
60% to below 62% Fe			21485	28503
62% to below 65% Fe			70715	88026
65% Fe and above			24544	18768
Concentrates (Total)			1460	1182

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)	158108	194584	201426	206494	246081
Value (Rs. '000)	223206636	252291800	347131039	453465829	481074096

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)	144498	148716	152954	163121	145474

F) Employment :

Average Number of Persons Employed per Day	43125	46840
Percentage Share of Employment to Total for MCDR Minerals	38.22	41.84

(): 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:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes)	126774	150216	159576	159942	N.A.

H) Exports/Imports Trend :

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes)	5441	30731	24203	16150	36624
Value (Rs. crore)	1263.96	10292.93	9490.14	9262.61	18609.27
Percentage Share to the Value of Exports of All Minerals	0.74	5.14	4.76	4.23	9.81
Imports					
Quantity (Th. Tonnes)	7099	4607	8707	12808	1246
Value (Rs. crore)	3197.14	2161.52	4229.40	5913.67	940.98
Percentage Share to the Value of Imports of All Minerals	0.43	0.27	0.41	0.46	0.08

I) Exports/Imports by Country in 2019-20 :

Exports	China P Rp	Japan	Korea Rp	Oman	Turkey	Others
Quantity (Th. Tonnes)	31605	1956	1016	531	433	1083
Value (Rs. crore)	15143.04	1284.21	718.71	392.79	333.35	737.17
Imports	S. Africa	Brazil	Australia	Canada	Iran	Others
Quantity (Th. Tonnes)	543	301	171	119	54	58
Value (Rs. crore)	452.83	229.05	87.45	74.78	43.81	53.06

J) Five Principal Iron ore Mines in 2019-20 :

Name of Mine	Location of Mine	Address of Mine Owner
Balda Block	Vill. Balda Distt. Keonjhar Odisha	Serajjudinand Co., P-16, Bentink Street, Kolkata – 700 069, West Bengal.
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.
Noamundi	Vill. Noamundi Distt. Singhbhum Jharkhand	Tata Steel Ltd., Bombay House, 24 Homi Mody Street, Fort, Mumbai – 400 001.
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.

K) Contribution of above Mines in 2019-20 :

Quantity (Th. Tonnes)	54863
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 31-3-2020(p) (Area in Hectares)	:	No. of Leases 24	Lease Area 1394.03
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C) **Mines Reporting Production :**

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	4	5	4889	3497
Public Sector	1	1	1848	862
Private Sector	3	4	3041	2635
Non-captive	4	5	4889	3497
‘B’ Category	4	5	4889	3497
STATES				
Karnataka	-	1	-	400
Maharashtra	4	4	4889	3097
GRADES				
40 % Al ₂ O ₃ & above			4681	2248
Below 40 % Al ₂ O ₃			208	1249

D) **Production Trend :**

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	2901	3253	7818	4889	3497
Value (Rs. '000)	14180	13458	23277	15757	11743

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20 (p)
Quantity (Tonnes)		14519	12892	12340	12384	9621

F) **Employment :**

Average Number of Persons Employed per Day	64	62
Percentage Share of Employment to Total for MCDR Minerals	0.06	0.06

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	3100	3400 ^D	6600 ^D	5100 ^D	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	144	153	166	284	143
Value (Rs. crore)	0.27	0.31	0.34	0.49	0.26
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports					
Quantity (Tonnes)	478	748	620	997	1112
Value (Rs. crore)	1.69	1.66	1.78	2.76	3.35
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2019-20:

Exports	Greece	Saudi Arab	UAE	Nigeria	China P Rp
Quantity (Tonnes)	72	50	13	7	1
Value (Rs. crore)	0.16	0.05	0.04	0.01	++
Imports	USA	China P Rp	Ukraine	Malaysia	Japan
Quantity (Tonnes)	790	260	56	6	++
Value (Rs. crore)	2.86	0.37	0.08	0.03	++

J) Kyanite Mines in 2019-20 :

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, Ajni Chowk, Wardha Road, Nagpur – 440 015, Maharashtra.
Kargila	Vill. Kargila Dist. Mysore Karnataka	Mohammad Akram Rasheed, 3 Marcha Halli, H. D. Kote, Mysore – 571 125, Karnataka.

J) Contribution of above Mines in 2019-20:

Quantity (Tonnes)	3497
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): 26

B) Mining Leases as on 31-3-2020(p)	No. of Leases	Lease Area
(Area in Hectares) (Lead & Zinc Ore)	8	7098.20

C) Mines Reporting Production :

	No. of Mines		Production (Th. Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
India	10	10		
Lead & Zinc Ore			13752	14479
Lead Concentrates			358	351
Zinc Concentrates			1457	1447
Public Sector	2*	2*		
Lead & Zinc Ore			-	-
Lead Concentrates			-	-
Zinc Concentrates			-	-
Private Sector	8	8		
Lead & Zinc Ore			13752	14479
Lead Concentrates			358	351
Zinc Concentrates			1457	1447
Captive and 'A' Category	9	9		
Lead & Zinc Ore			13752	14479
Lead Concentrates			358	351
Zinc Concentrates			1457	1447
Non-Captive and 'B' Category	1*	1*		
Lead & Zinc Ore			-	-
Lead Concentrates			-	-
Zinc Concentrates			-	-

STATES	No. of Mines		Production (Th. Tonnes)					
	2018-19	2019-20(p)	2018-19			2019-20(p)		
			Qty.	Pb%	Zn%	Qty.	Pb%	Zn%
Rajasthan	10	10						
Lead & Zinc Ore			13752	1.93	5.90	14479	1.77	5.74
Lead Concentrates			358	57.46		351	55.32	
Zinc Concentrates			1457		50.00	1447		49.63

D) Production Trend :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)					
Lead & Zinc Ore	10453	11881	12614	13752	14479
Lead Concentrates	262	268	306	358	351
Zinc Concentrates	1474	1484	1540	1457	1447
Value (Rs. '000)					
Lead Concentrates	7885122	9669267	11429413	16316914	18072776
Zinc Concentrates	34943088	43385599	49799273	56083826	60231216

E) Closing Stock	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)					
Lead & Zinc Ore	41	999	379	39	83
Lead Conc.	10	8	34	7	18
Zinc Conc.	30	66	27	23	26

F) Employment		
Average Number of Persons Employed per Day	8223	11417
Percentage Share of Employment to Total for MCDR Minerals	7.29	10.20

*Only labour reported.

G) Domestic Consumption Trend : 2015-16 2016-17 2017-18 2018-19(r) 2019-20(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)	2015-16	2016-17	2017-18(r)	2018-19(p)	2019-20(p)
Quantity (Tonnes)	++	1	++	37	3
Value (Rs. crore)	0.02	++	0.01	0.20	0.02
Exports (Zinc Ores & Concentrates)					
Quantity (Tonnes)	558	53912	1206	2079	317
Value (Rs. crore)	1.13	399.02	3.15	7.12	1.58
Percentage Share to Val. (Lead Ore & conc.) of Exports of All Minerals(Zinc Ore & conc.)	++	++	++	++	++
	++	0.20	++	++	++
Imports (Lead Ores & Concentrates)					
Quantity (Tonnes)	5334	6217	2220	1499	3283
Value (Rs. crore)	26.47	31.87	14.94	8.55	16.67
Imports (Zinc Ores & Concentrates)					
Quantity (Tonnes)	385	1771	--	1422	101
Value (Rs. crore)	1.87	8.66	--	3.88	0.27
Percentage Share to Val. (Lead Ore & conc.) of Imports of All Minerals(Zinc Ore & conc.)	++	++	++	++	++
	++	++	--	++	++

I) Exports/Imports by Country in 2019-20 :

Exports (Lead ores & conc.)	Bangladesh			Nepal		
Quantity (Tonnes)	3			++		
Value (Rs. crore)	0.02			++		
Exports (Zinc ores & conc.)	China P Rp	Cuba	S. Africa	UAE	Japan	Others
Quantity (Tonnes)	199	100	13	4	1	++
Value (Rs. crore)	0.41	1.09	0.02	0.06	++	++
Imports (Lead ores & conc.)	UAE	Mozambique	Morocco	Nigeria	China P Rp	Others
Quantity (Tonnes)	1192	686	380	217	207	601
Value (Rs. crore)	5.67	4.17	2.37	0.82	0.73	2.91
Imports (Zinc ores & conc.)	Ethiopia		UAE	UK	USA	China P Rp
Quantity (Tonnes)	60		21	20	++	++
Value (Rs. crore)	0.16		0.06	0.04	++	++

J) Principal Lead & Zinc Mines in 2019-20:

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 2019-20 :

Quantity (Th. Tonnes)	14479
Percentage share to all India Production	100

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 31-3-2020(p) :	No. of Leases	Lease Area
(Area in Hectares)	21	1557.82

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	5	2	7534	4600
Public Sector	-	-	-	-
Private Sector	5	2	7534	4600
Captive	-	-	-	-
Non-captive	5	2	7534	4600
'A' Category	1	1	3576	3583
'B' Category	4	1	3958	1017
STATES				
Karnataka	2	1	3538	1017
Kerala	3	1	3996	3583

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	10353	12344	14765	7534	4600
Value (Rs. '000)	28613	34774	51445	27780	18730

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	996	2719	18492	4408	2187

F) Employment :

Average Number of Persons Employed per Day	290	244
Percentage Share of Employment to Total for MCDR Minerals	0.26	0.22

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(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 2019-20:

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

J) Principal Lime Shell Mines in 2019-20 :

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 Kanwgiri, Distt. North Kanara, Karnataka.	Naik Minerals, Vill. Chittakula Kanwgiri, Taluk: Karwar, Distt. North Kanara – 581 352, Karnataka.

K) Contribution of above Mines in 2019-20 :

Quantity (Tonnes)	4600
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) :			185
(Includes Lime kankar & Lime shell)			
B) Mining Leases as on 31-3-2020(p) :	No. of Leases	Lease Area	
(Area in Hectares)	1959	163932.88	
C) Mines Reporting production :			

	No. of mines		Production (in Th. Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	725(3)	659(3)	379974	359332
Public Sector	24	21	10929	10144
Private Sector	701(3)	638(3)	369045	349188
Captive	407	392	361361	341769
Non-Captive	318(3)	267(3)	18613	17563
“A” Category	293	280	298719	285176
“B” Category	432(3)	379(3)	81255	74156
STATES				
Andhra Pradesh	82(1)	77(1)	48295	42535
Assam	3	3	1652	1552
Bihar	1	1	240	556
Chhattisgarh	62	50	42398	42699
Gujarat	121(1)	100(1)	26651	22845
Himachal Pradesh	24	23	12034	12528
Jammu & Kashmir	22	17	1228	936
Jharkhand	7	3	1248	783
Karnataka	62	57	34378	34228
Kerala	1	1	325	398
Madhya Pradesh	136	132	50102	46969
Maharashtra	16	16	14991	14614
Meghalaya	20	19	7195	7259
Odisha	7(1)	7(1)	5289	5627
Rajasthan	36	38	76567	72375
Tamil Nadu	93	82	23864	24461
Telangana	30	31	30895	26161
Uttar Pradesh	2	2	2622	2806
GRADES				
Cement			368201	348505
LD, SMS & BF			7896	7796
Chemical			3877	3031

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)	307001	314669	340417	379974	359332
Value (Rs. '000)	68673970	73878426	80995698	89584491	83120219

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)	12633	14615	18238	22493	23437

F) Employment :		
Average Number of Persons Employed per Day	21633	19836
Percentage Share of Employment to	19.17	17.72
Total for MCDR Minerals		

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

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes)	294263	274799	313767	350877	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes)	3236	4330	2812	3884	3760
Value (Rs. crore)	469.43	499.01	410.23	494.75	465.66
Percentage Share to the Value of Exports of All Minerals	0.27	0.25	0.21	0.23	0.25
Imports					
Quantity (Th. Tonnes)	17187	18300	20828	24397	25639
Value (Rs. crore)	2377.28	2438.42	2901.64	3666.52	3742.99
Percentage Share to the Value of Imports of All Minerals	0.32	0.30	0.28	0.28	0.33

I) Exports/Imports by Country in 2019-20 :

Exports	Bangladesh	UK	Nepal	USA	Ireland	Others
Quantity (Th. Tonnes)	3651	49	16	9	5	30
Value (Rs. crore)	304.85	52.78	9.06	55.21	6.40	37.36
Imports	UAE	Oman	Vietnam Soc Rp	Malaysia	Philippines	Others
Quantity (Th. Tonnes)	20487	2977	973	858	65	279
Value (Rs. crore)	2564.90	513.54	204.57	359.76	11.42	88.80

J) Five Principal Limestone Mines in 2019-20 :

Name of Mine	Location of Mine	Address of Mine Owner
Nimbetti	Vill:- Nimbetti Dist:- Pali Rajasthan	Shree Cement Limited Post Box No. 33, Bangurnagar, Beawar – 305 901, Ajmer, Rajasthan.
Bhatkotri	Vill:- Bhatkotri Dist:-Chittorgarh Rajasthan	Wonder Cement Limited 17, Old Fatehpura, Near Seva Mandir Udaipur – 313 004. Rajasthan.
Rajashree	Vill:-Adityanagar Dist:- Gulbarga Karnataka	Ultratech Cement Limited B Wing, Ahura Centre, 2nd Floor Mahakali Caves Road, Andheri(E), Mumbai – 400 093, Maharashtra.
Grasim	Vill:- Basantgarh Dist:- Sirohi Chattisgarh	Ultratech Cement Limited B Wing, Ahura Centre, 2nd Floor Mahakali Caves Road, Andheri(E), Mumbai – 400 093, Maharashtra.
Aditya	Vill:- Near Medika Amarana Dist:- Chittorgarh Rajasthan	Ultratech Cement Limited B Wing, 2nd Floor, Ahura Centre, Mahakali Caves Road, Andheri(E), Mumbai – 400 093, Maharashtra.

K) Contribution of above mines in 2019-20

Quantity (Th. Tonnes)	44668
Percentage share to all India production	12

MAGNESITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	82276	311711	393987
Life Index (Years)	:		Very large

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases	Lease Area
	39	2289.85

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	11	12	146875	97684
Public Sector	5	6	40861	34957
Private Sector	6	6	106014	62727
Captive	4	5	39410	32759
Non-captive	7	7	107465	64925
'A' Category	8	9	100082	83433
'B' Category	3	3	46793	14251
STATES				
Karnataka	3	3	9108	7198
Tamil Nadu	5	6	50644	46276
Uttarakhand	3	3	87123	44210

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th.Tonnes)	328	299	195	147	98
Value (Rs. '000)	827072	749297	593650	408287	350252

E) Closing Stock:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)	66	83	78	80	58

F) Employment :

Average Number of Persons Employed per Day	811	690
Percentage Share of Employment to Total for MCDR Minerals	0.72	0.62

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18(r)	2018-19 (r)	2019-20(p)
Quantity (Th. Tonnes)	265	230	248 ^D	195 ^D	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	6204	8065	9576	6273	5459
Value (Rs. crore)	12.45	13.52	18.86	20.43	14.71
Percentage Share to the Value of Exports of All Minerals	0.01	0.01	0.01	0.01	0.01
Imports					
Quantity (Tonnes)	11878	142599	229628	464367	365054
Value (Rs. crore)	325.68	308.99	526.87	1112.0	946.82
Percentage Share to the Value of Imports of All Minerals	0.04	0.04	0.05	0.09	0.08

I) Exports/Imports by Country in 2019-20 :

Exports	Malaysia	Bangladesh	Saudi Arab	Ethiopia	Singapore	Others
Quantity (Tonnes)	2092	652	535	447	294	1439
Value (Rs. crore)	1.77	2.13	1.21	1.43	1.33	6.84
Imports	China P Rp	UAE	Australia	Turkey	Ireland	Others
Quantity (Tonnes)	208474	60512	28420	24927	15608	27113
Value (Rs. crore)	388.30	15.99	207.58	85.75	121.60	127.60

J) Five Principal Magnesite Mines in 2019-20 :

Name of Mine	Location of Mine	Address of Mine Owner
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.
Kondappanaickanpatty	Vill. Kondappanaickanpatty Distt. Salem Tamil Nadu	India Magnesia Product Limited, No. 11/239, Ramakrishna Road, Balaji Towers 3 rd floor, Salem – 636 007, Tamil Nadu.
Dundu	Vill. Dundu & Talli Sangri Distt. Pithoragarh Uttarakhand	N.B. Minerals Corporation, 6/575 Nawabi Road, Haldwani, Nainital – 263 139, Uttarakhand.
Talooru	Vill. Talooru Distt. Mysore Karnataka	N. Rajashekar Talooru Magnesite Mines, Village-Talooru, Jayapura Hobli, Mysore – 571 311, Karnataka.

K) Contribution of above Mines in 2019-20 :

Quantity (Th. Tonnes)	93
Percentage Share to All-India Production	96

D : Despatches.

MANGANESE ORE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	93475	402399	495874
Life Index (Years)			128
B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases 270		Lease Area 12302.53
C) Mines Reporting Production			

	No. of Mines		Production (Th. Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	148(12)	131(12)	2832	2904
Public Sector	25	24	1287	1297
Private Sector	123(12)	107(12)	1545	1607
Captive	10(1)	8(1)	291	339
Non-captive	138(11)	123(11)	2541	2565
‘A’ Category	30(2)	29(2)	2041	2073
‘B’ Category	118(10)	102(10)	791	831
STATES				
Andhra Pradesh	28	25	293	331
Karnataka	11(2)	9(2)	332	333
Madhya Pradesh	41(5)	41(5)	943	958
Maharashtra	23	19	762	722
Odisha	31(4)	26(4)	477	538
Others	14(1)	11(1)	25	22
GRADES				
MnO ₂			36	23
Above 46% Mn			292	270
35-46% Mn			579	554
25-35% Mn			1207	1244
Below 25% Mn			718	813

D) Production Trend	:				
	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)	2167	2395	2600	2832	2904
Value (Rs. ‘000)	8545511	16248429	19907474	21640165	19416386

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)		1317	1218	1951	2884	3127
F) Employment	:					
Average Number of Persons Employed per Day				13164	12620	
Percentage Share of Employment to Total for MCDR Mineral				11.67	11.27	

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

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19 (r)	2019-20(p)
Quantity (Th. Tonnes)	3334	2868	2702	2062	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes)	0.4	0.2	44	56	58
Value (Rs. crore)	1.89	1.24	50.88	13.81	25.46
Percentage Share to the Value of Exports of All Minerals	++	++	0.03	0.01	0.01
Imports					
Quantity (Th. Tonnes)	2217	1908	3628	2784	4317
Value (Rs. crore)	1741.37	2402.81	5063.40	4848.45	4128.21
Percentage Share to the Value of Imports of All Minerals	0.24	0.30	0.49	0.37	0.36

I) Exports/Imports by Country in 2019-20 :

Exports	China P Rp	Indonesia	UAE	Oman	Bangladesh	Others
Quantity (Tonnes)	27500	21600	5887	3098	40	73
Value (Rs. crore)	5.52	5.92	8.87	4.87	0.10	0.18
Imports	S. Africa	Australia	Gabon	UAE	Brazil	Others
Quantity (Th. Tonnes)	2901	462	219	186	178	371
Value (Rs. crore)	2051.84	694.72	328.47	184.73	292.32	576.13

J) Five Principal Manganese Ore Mines in 2019-20 :

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 – 440 013, Maharashtra.
SMIORE	Vill. Deogiri Distt. Bellary Karnataka	SMIORE Ltd., No. 9, Bellary Road, Sadashivanagar, Bangalore – 560 080, Karnataka.
Dongribuzurg	Vill. Balapur Hamesha Distt. Bhandara Maharashtra	MOIL Ltd., MOIL Bhavan, 1A – Katol Road, Chhaoni, Nagpur – 440 013, Maharashtra.
Chikla	Vill. Sitasaongi Distt. Bhandara Maharashtra	MOIL Ltd., MOIL Bhavan, 1A – 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 2019-20 :

Quantity (Th. Tonnes)	1138
Percentage Share to All-India Production	39

MARL

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	123856	11705	135561
Life Index (Years)			60

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases 6	Lease Area 1111.14
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C) Mines Reporting Production :

	No. of Mines		Production (Th. Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	(4)	(7)	1890	2109
Private Sector	(4)	(7)	1890	2109
Captive	(4)	(7)	1890	2109
‘A’ Category	(4)	(7)	1890	2109
STATES				
Gujarat	(3)	(4)	1795	1606
Tamil Nadu	(1)	(3)	95	503

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity(Th. Tonnes)	2390	2204	1970	1890	2109
Value (Rs. '000)	319957	317886	331289	349420	351529

E) Closing Stock:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)	1227	1321	1226	1042	881

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: **2015-16 2016-17 2017-18 2018-19(r) 2019-20(p)**

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

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(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 2019-20:

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

J) Five Principal Marl Mines in 2019-20:

Name	Location of Mine	Name & address of Mine owner
Kovaya *	Village - Kovaya District - Amreli Gujarat	Ultratech Cement Ltd., 'B' Wing, 2 nd floor, Ahura Center, Mahakali Caves Road, Andheri (E), Mumbai – 400 093.
Kallankurichi *	Village - Kovaya District - Ariyalur Tamil Nadu	Th Ramco Cements Ltd. 3 rd floor, Auras Corporate centre 98-A, Dr. Radhakrishnan Salai, Mylapore, Chennai – 600 004.
Narmada *	Village - Babarkot District - Amreli Gujarat	Ultratech Cement Ltd., 'B' Wing, 2 nd floor, Ahura Center, Mahakali Caves Road, Andheri (E), Mumbai – 400 093.
Adityana *	Village - Adityana District - Porbandar Gujarat	Saurashtra Cement Ltd., N.K. Mehta International House, 178 – Backbay Reclamation, Mumbai – 400 020.
Sendurai *	Village - Sendurai District - Ariyalur Tamil Nadu	Chettinad Cement Corporation Ltd. 4 th floor Rani Seethai Hall Building 603, Anna Salai, Chennai – 600 006.

K) Contribution of above mines in 2019-20

Quantity (Th. Tonnes) 2032

Percentage share to all India production 96

* Associated with limestone.

MOULDING SAND

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

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases 4	Lease Area 24.75
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C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	3	3	14805	12805
Private Sector	3	3	14805	12805
Non-Captive	3	3	14805	12805
'B' Category	3	3	14805	12805
STATES				
Chhattisgarh	3	3	14805	12805

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	26042	27685	7100	14805	12805
Value (Rs. '000)	6117	6623	1804	4145	3683

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)		1148	6241	261	66	2293

F) Employment :

Average Number of Persons Employed per Day	11	10
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Percentage Share of Employment to Total for MCDR Minerals	0.01	0.01
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G) Domestic Consumption Trend : 2015-16 2016-17 2017-18 2018-19(r) 2019-20(p)

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

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(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 2019-20:

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

J) Moulding Sand Mines in 2019-20:

Name	Location of Mine	Name & address of Mine owner
Barregaon	Vill. Barregaon, Distt. Rajnandgaon, Chhattisgarh.	Smt. Sujata Dakliya, House No: 19/132, Sahadeo Nagar, Rajnandgaon – 491 441, Chhattisgarh.
Amti	Vill. Amti, Distt. Durg Chhattisgarh	Bimal Kumar Sekseria, 271, Ramdev Mandir, Ward 35, Ganjpara, Durg – 491 001, Chhattisgarh
Karhidih	Vill. Karhidih, Distt. Durg Chhattisgarh.	Marendra Kumar Seksaria, 271, Ramdev Mandir, Ward 35, Ganjpara, Durg – 491 001, Chhattisgarh.

K) Contribution of above mines in 2019-20

Quantity (Tonnes) 12805

Percentage share to all India production 100

PERLITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Th. Tonnes)	:	-	2406

Life Index (Years) : N.E.

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	:	No. of Leases	Lease Area
		1	144.88

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	-	-	-	-
Private Sector	-	-	-	-
Non-captive	-	-	-	-
‘B’ Category	-	-	-	-
STATE				
Gujarat	-	-	-	-

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. ‘000)	-	-	-	-	-

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)		-	-	-	-	-

F) Employment :

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

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(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 2019-20:

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

J) Perlite Mines in 2019-20: Nil

K) Contribution of above mine in 2019-20:

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

PHOSPHORITE/ROCK PHOSPHATE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 :	45808	266871	312679
(Th. Tonnes)			
Life Index (Years) :			83
B) Mining Leases as on 31-3-2020(p) :	No. of Leases	Lease Area	
(Area in Hectares)	4	1893.38	

C) Mines Reporting Production :

	No. of Mines		Production (Th. Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	7	6	1421	1400
Public Sector	5	5	1322	1300
Private Sector	2	1	99	100
Captive	1	1	99	100
Non Captive	6	5	1322	1300
'A' Category	5	4	1421	1400
'B' Category	2	2	-	-
STATES				
Madhya Pradesh	5	5	99	100
Rajasthan	2	1	1322	1300
GRADES				
Above 30% P ₂ O ₅			233	133
Above 25% to 30% P ₂ O ₅			593	677
Above 20% to 25% P ₂ O ₅			-	4
Upto 20% P ₂ O ₅			595	586

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)	1572	1124	1516	1421	1400
Value (Rs. '000)	3763823	2996711	3668267	3883571	4319097

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Th. Tonnes)	2568	2490	2735	2347	2198

F) Employment :		
Average Number of Persons Employed per Day	1200	982
Percentage Share of Employment to Total for MCDR Minerals	1.06	0.88

G) Domestic Consumption Trend	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes) (Apatite & Rock Phosphate)		4442	1994	9236 ^(@)	N.A.	N.A.

H) Exports/Imports Trend :

Exports (Rock Phosphate)	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	14242	5915	395	1652	257
Value (Rs. crore)	6.91	0.86	0.06	4.68	0.20
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports (Rock Phosphate)					
Quantity (Th. Tonnes)	8038	7511	7703	7519	7655
Value (Rs. crore)	6529.04	4951.31	4545.70	5637.92	5420.60
Percentage Share to the Value of Imports of All Minerals	0.88	0.61	0.44	0.43	0.47

I) Exports/Imports by Country in 2019-20 :

Exports (Rock Phosphate)	Korea Rp	Bangladesh	USA	Thailand	Nepal	Others
Quantity (Tonnes)	126	100	15	10	5	1
Value (Rs. crore)	0.12	0.01	0.02	0.02	0.02	0.01
Imports (Rock Phosphate)	Jordan	Morocco	Egypt A Rp	Togo	UAE	Others
Quantity (Th. Tonnes)	3277	1990	1261	618	260	249
Value (Rs. crore)	2353.98	1784.07	549.94	446.88	137.43	148.30

J) Principal Phosphorite Mines in 2019-20 :

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 – 302 015, Rajasthan.
Luhani	Vill. Luhani Distt. Chhatarpur Madhya Pradesh.	M/s. Khajuraho Stones(India) Pvt. Ltd., Sagar Road Dhadari, Chhatarpur – 471 001 Madhya Pradesh.

K) Contribution of above Mines in 2019-20

Quantity (Th. Tonnes)	1400
Percentage Share to All-India Production	100

(@) : Apparent consumption.

PYRITES

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015 (Million Tonnes)	:	-	1674

Life Index (Years) : N.E.

B) Mining Leases as on 31-3-2020(p) (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)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	-	-	-	-
Public Sector	-	-	-	-
Captive	-	-	-	-
'A' Category	-	-	-	-
STATE				
Bihar	-	-	-	-

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)		-	-	-	-	-

F) Employment :

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

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(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 2019-20 :

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

J) Pyrites Mines in 2019-20: Nil

K) Contribution of above Mine in 2019-20:

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

RUBY

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

Life Index (Years) : N.E.

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases	Lease Area
:	1	27.66

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	----- No Production reported -----			
Public Sector	- do -			
Non-Captive	- do -			
'B' Category	- do -			
STATE				
Odisha	- do -			

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (kg)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(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	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (kg)		N.A.	N.A.	N.A.	N.A	N.A.

H) Exports/Imports Trend :

Exports (Ruby & Sapphire Uncut)	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (tonnes)	12	++	4	13	10
Value (Rs. crore)	5.17	38.99	58.53	72.27	17.27
Percentage Share to the Value of Exports of All Minerals	++	0.02	0.03	0.03	0.01
Imports (Ruby & Sapphire Uncut)					
Quantity (tonnes)	24	11	30	31	55
Value (Rs. crore)	1057.84	1166.65	2478.59	1595.27	73.37
Percentage Share to the Value of Imports of All Minerals	0.14	0.14	0.24	0.12	0.01

I) Exports/Imports by Country in 2019-20 :

Exports(Ruby & Sapphire Uncut)	Hong Kong	Singapore	Thailand	China P Rp	Italy	Others
Quantity (tonnes)	5	3	2	++	++	++
Value (Rs. crore)	0.73	14.74	1.56	0.01	0.01	0.22
Imports(Ruby & Sapphire Uncut)	Tanzania Rp	Thailand	Mozambique	Guinea	Malawi	Others
Quantity (tonnes)	24	14	6	6	3	2
Value (Rs. crore)	1.41	31.37	3.85	0.94	0.19	35.61

J) Ruby Mines in 2019-20 : Nil

K) Contribution of above Mine in 2019-20:

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

++ : Negligible

SALT (Rock)

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

Life Index (Years) : Very Large

B) Mining Leases as on 31-3-2020(p): (Area in Hectares)	No. of Leases	Lease Area
	1	8.12

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	1	1	17	130
Public Sector	1	1	17	130
Non-captive	1	1	17	130
‘B’ Category	1	1	17	130
STATE				
Himachal Pradesh	1	1	17	130

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)	-	-	47	17	130
Value (Rs. ‘000)	-	-	421	160	1444

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)		-	-	-	2	3

F) Employment :

Average Number of Persons Employed per Day	27	27
Percentage Share of Employment to Total for MCDR Minerals	0.02	0.02

G) Domestic Consumption Trend	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend :

Exports (Salts (other than common salt))	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. tonnes)	5927	7898	9970	12755	11682
Value (Rs. crore)	670.12	745.08	940.27	1462.73	1368.12
Percentage Share to the Value of Exports of All Minerals	0.39	0.37	0.47	0.67	0.72
Imports (Salts (other than common salt))					
Quantity (tonnes)	55642	52901	67555	78712	65261
Value (Rs. crore)	17.37	17.37	29.18	47.29	46.62
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2019-20:

Exports	China P Rp	Korea Rp	Japan	Qatar	Indonesia	Others
Quantity (Th. tonnes)	4862	2059	1329	585	572	2275
Value (Rs. crore)	506.14	240.68	162.45	88.46	71.00	299.39
Imports	UAE	Pakistan	Iran	UK	China P Rp	Others
Quantity (tonnes)	32014	19535	9773	1282	806	1851
Value (Rs. crore)	11.72	6.70	4.01	1.49	0.68	22.02

J) Salt (Rock) Mines in 2019-20 :

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 2019-20:

Quantity (tonnes)	130
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 31-3-2020(p) :	No. of Leases	Lease Area
(Area in Hectares)	N.A.	N.A.

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	3	2	2906	1167
Public Sector	3	2	2906	1167
Private Sector	-	-	-	-
Non-captive	3	2	2906	1167
Captive	-	-	-	-
‘A’ Category	-	-	-	-
‘B’ Category	3	2	2906	1167
STATE				
Rajasthan	3	2	2906	1167

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)	3103	4328	469	2906	1167
Value (Rs. '000)	6938	8656	939	5812	2353

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)	-	-	-	-	-

F) Employment :

Average Number of Persons Employed per Day	16	12
Percentage Share of Employment to Total for MCDR Minerals	0.01	0.01

G) Domestic Consumption Trend	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend :

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(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 2019-20:

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

J) Selenite Mine in 2019-20 :

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 2019-20 :

Quantity (tonnes)	1167
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 31-3-2020(p) :	No. of Leases	Lease Area
(Area in Hectares)	45	319.03

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	16	14	80237	13900
Private Sector	16	14	80237	13900
Captive	1	1	5405	-
Non-captive	15	13	74832	13900
‘A’ Category	6	5	48039	10790
‘B’ Category	10	9	32198	3110
STATE				
Rajasthan	16	14	80237	13900

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)	47386	77270	86662	80237	13900
Value (Rs. ‘000)	20735	55340	53164	50205	10235

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)	45029	72980	93014	86493	67941

F) Employment :

Average Number of Persons Employed per Day	133	67
Percentage Share of Employment to Total for MCDR Minerals	0.12	0.06

G) Domestic Consumption Trend	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend :

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(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 2019-20:

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

J) Five Principal Siliceous Earth Mines in 2019-20:

Name of Mine	Location of Mine	Address of Mine Owner
Mokhab (64/2013)	Vill. Mokhab, Distt. Barmer, Rajasthan.	Narayan Singh, Vill. Mokhab, Tehsil. Shiv Barmer – 344 701, Rajasthan.
Mokhab (58/2014)	Vill. Mokhab, Distt. Barmer, Rajasthan.	Babu lal Mali, Vill. Mokhab, Tehsil. Shiv Barmer – 344 701, Rajasthan.
Sajit (217/13)	Vill. Sajit, Distt. Jaisalmer, Rajasthan.	Ashok Kumar Khatri, Vill. Sajit, P.O. Fatehgarh, Jaisalmer – 345 021, Rajasthan.
Batiyara (03/10)	Vill. Bariyara, Distt. Barmer, Rajasthan	Jaipur Magmatics Private Ltd., Ground Floor, Nandanam-II, A-2, Tilak Marg, Jaipur – 344 001, Rajasthan.
Sajit (161/13)	Vill. Sajit, Distt. Jaisalmer, Rajasthan.	Ram Swaroop Meghwal, Vill. Sajit, P.O. Fatehgarh, Jaisalmer – 345 027, Rajasthan.

K) Contribution of above Mines in 2019-20:

Quantity (tonnes)	12270
Percentage Share to All-India Production	88.27

SILLIMANITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2015	6502	63702	70204
(Th. tonnes)			
Life Index (Years)			825
B) Mining Leases as on 31-3-2020(p)	No. of Leases	Lease Area	
(Area in Hectares)	1	4.64	

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	6(4)	2(3)	69919	13236
Public Sector	5	2	25305	-
Private Sector	1(4)	(3)	44614	13236
Non-Captive	6(4)	2(3)	69919	13236
'A' Category	5(1)	1	56301	-
'B' Category	1(3)	1(3)	13618	13236
STATES				
Andhra Pradesh*	(1)	-	31243	-
Kerala*	3	-	7318	-
Maharashtra*	1(3)	2(3)	13404	13236
Meghalaya*	1	-	24	-
Odisha*	1	-	17930	-

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)	69942	68131	81638	69919	13236
Value (Rs. '000)	509314	535949	671690	564498	36322

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (tonnes)		24430	28555	21635	15804	10129

F) Employment :

Average Number of Persons Employed per Day	2042	29
Percentage Share of Employment to Total for MCDR Minerals	1.81	0.03

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

*: Excludes the production of BSM from March 2019 onwards.

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19 (r)	2019-20(p)
Quantity (tonnes)	38100	24200	75900 ^D	56100 ^D	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (tonnes)	15078	14064	16193	9986	1026
Value (Rs. crore)	11.08	11.47	17.18	11.19	1.50
Percentage Share to the Value of Exports of All Minerals	0.01	0.01	0.01	0.01	++
Imports					
Quantity (tonnes)	214	24	18	99	609
Value (Rs. crore)	0.90	0.30	++	0.24	1.08
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2019-20:

Exports	Nepal	Japan	China P Rp	Sri Lanka Dsr	Thailand	Others
Quantity (tonnes)	487	231	216	52	25	15
Value (Rs. crore)	0.28	0.74	0.36	0.04	0.04	0.04
Imports	Ukraine	Hong Kong	S. Africa	USA	China P Rp	Others
Quantity (tonnes)	416	112	54	17	6	4
Value (Rs. crore)	0.63	0.17	0.14	0.08	0.01	0.05

J) Five Principal Sillimanite Mines in 2019-20 :

Name of Mine	Location of Mine	Address of Mine Owner
Pavri Kyanite Mine*	Vill. Sakra Distt. Bhandara Maharashtra	Pavri Kyanite Mine, A-1 Indra Sagar, Ravindranath Tagore Marg, Civil Line, Nagpur – 440 001, 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.
Digori*	Vill. Digori Distt. Bhandara Maharashtra	Digori Kyanite Mine, Apna Nagar, Tkiya Ward, Nagpur Road, Bhandara – 441 904, Maharashtra.

K) Contribution of above Mines in 2019-20 :

Quantity (tonnes)	13236
Percentage Share to All-India Production	100

* : Associated with kyanite. 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) : 20

B) Mining Leases as on 31-3-2020(p) :	No. of Leases	Lease Area
(Area in Hectares)	N.A.	N.A.

C) Production of Silver :

	Production (kg)	
	2018-19	2019-20(p)
INDIA	679386	441818
Public Sector	214	187
Private Sector	679172	441631
STATES		
Karnataka	214	187
Rajasthan	679172	441631

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (kg)	426443	460811	557691	679386	441818
Value (Rs. '000)	15212374	18320758	21179042	25824756	18047107

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(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:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	24	28	29	35	33
Value (Rs. crore)	48.15	75.65	65.91	81.84	68.01
Percentage Share to the Value of Exports of All Metals	0.03	0.04	0.03	0.05	0.04
Imports					
Quantity (Tonnes)	7428	3359	5879	7474	5422
Value (Rs. crore)	24435.80	12329.33	20724.89	26188.63	19161.79
Percentage Share to the Value of Imports of All Metals	6.26	3.65	5.03	2.02	4.60

I) Exports/Imports By Country In 2019-20 :

Exports	USA	Germany	UAE	UK	Canada	Others
Quantity (Tonnes)	12	5	2	2	2	10
Value (Rs. crore)	23.43	6.87	13.94	1.45	3.53	18.79
Imports	Hong Kong	UK	USA	Switzerland	Russia	Others
Quantity (Tonnes)	1802	961	387	355	343	1574
Value (Rs. crore)	6349.85	3422.35	1372.17	1231.42	1283.20	5502.80

J) Producers of Silver in 2019-20 :

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 2019-20 :

Quantity (kg)	441818
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 31-3-2020(p) (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)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	12	12	890400	900942
Public Sector	12	12	890400	900942
STATES				
Assam	4	4	7100	5955
Bihar	1	1	7050	6843
Gujarat	1	1	91962	97107
Haryana	1	1	176755	170907
Kerala	1	1	225857	227253
Maharashtra	1	1	46967	55659
Odisha	1	1	239344	253697
Uttar Pradesh	1	1	51738	47955
West Bengal	1	1	43627	35566

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	473322	560826	825173	890400	900942

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(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:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
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Quantity (Th. Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.
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H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	628164	616472	573856	479651	802175
Value (Rs. crore)	515.71	346.94	425.44	433.25	387.28
Percentage Share to the Value of Exports of All Minerals	0.30	0.17	0.21	0.20	0.20
Imports					
Quantity (Th. Tonnes)	1433	1345	1206	1347	1235
Value (Rs. crore)	1417.26	875.14	1062.88	1521.97	823.97
Percentage Share to the Value of Imports of All Minerals	0.19	0.11	0.10	0.12	0.07

I) Exports/Imports by Country in 2019-20:

Exports	China P Rp	Jordan	Papua N Gna	UAE	Sri Lanka	Others
Quantity (Tonnes)	718977	38501	38500	2731	1187	2279
Value (Rs. crore)	338.55	16.06	11.18	12.90	2.05	6.54
Imports	UAE	Qatar	Oman	Japan	Singapore	Others
Quantity (Th. Tonnes)	595	354	90	64	38	94
Value (Rs. crore)	407.42	223.60	50.75	46.68	21.71	73.81

J) Sulphur Producing Units in 2019-20 : (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 2019-20 :

Quantity (Tonnes)	900942
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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 31-3-2020(p) :	No. of Leases	Lease Area
(Area in Hectares)	15	319.17

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	6	6	21212	15546
Public Sector	1	1	20054	11602
Private Sector	5	5	1158	3944
Captive	5	5	1158	3944
Non-captive	1	1	20054	11602
'B' Category	6	6	21212	15546
STATE				
Chhattisgarh	6	6	21212	15546

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (kg)	13542	12121	16758	21212	15546
Value (Rs. '000)	9230	8735	11347	14627	9562

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Kg)	3683	6985	5136	9315	10808

F) Employment :

Average Number of Persons Employed per Day	6	6
Percentage Share of Employment to Total for MCDR Minerals	0.01	0.01

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports (Tin ores & concs.)	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	-	-	++	++	++
Value (Rs. crore)	-	-	++	0.01	++
Percentage Share to the Value of Exports of All Minerals	-	-	++	++	++
Imports (Tin ores & concs.)					
Quantity (Tonnes)	68	57	6	6	++
Value (Rs. crore)	3.73	5.70	++	0.13	0.02
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports / Imports by Country in 2019-20 :

Exports	Nepal	
Quantity (Tonnes)	++	
Value (Rs. crore)	++	
Imports	Burundi	Korea Rp
Quantity (Tonnes)	++	++
Value (Rs. crore)	0.01	0.01

J) Five Principal Tin Concentrate Mine in 2019-20 :

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, Jagdalpur – 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	
Bade Bacheli (4.97 Ha)	Vill. Bade Bacheli Distt. Dantewada Chhattisgarh	

K) Contribution of above Mine in 2019-20 :

Quantity (Kg)	15546
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 31-3-2020(p) :	No. of Leases	Lease Area
(Area in Hectares)	N.A.	N.A.

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	----- No Production reported -----			
Public Sector	- do -			
Non-Captive	- do -			
'A' Category	- do -			
'B' Category	- do -			
STATE				
Rajasthan	- do -			

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (kg)	-	-	-	-	-
Value (Rs.'000)	-	-	-	-	-

E) Closing Stock :	2015-16	2016-17	2017-18	2018-19	2019-20(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 : 2015-16 2016-17 2017-18 2018-19(r) 2019-20(p)

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

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	1	8	30	34	--
Value (Rs. crore)	0.04	0.61	2.99	4.32	--
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	--
Imports					
Quantity (Tonnes)	78	283	350	461	447
Value (Rs. crore)	3.41	2.96	2.36	6.45	6.92
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2019-20 :

Exports	Vietnam Soc Rep			
Quantity (Tonnes)	--			
Value (Rs. crore)	--			
Imports	Netherland	Japan	Sweden	Singapore
Quantity (Tonnes)	380	35	30	2
Value (Rs. crore)	5.13	1.38	0.25	0.16

J) Tungsten Concentrate Mines in 2019-20 : Nil

K) Contribution of above Mine in 2019-20 :

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) : 200

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	:	No. of Leases	Lease Area
		56	892.75

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	5	4(1)	2992	2774
Public Sector	1	1	706	584
Private Sector	4	3(1)	2286	2190
Non-captive	5	4(1)	2992	2774
'B' Category	5	4(1)	2992	2774
STATES				
Andhra Pradesh	4	3(1)	2286	2190
Tamil Nadu	1	1	706	584

D) Production Trend :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	23279	9042	6054	2992	2774
Value (Rs. '000)	10556	8162	7075	3709	3363

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)		29045	27570	26915	25693	16786

F) Employment :

Average Number of Persons Employed per Day	63	45
Percentage Share of Employment to Total for MCDR Minerals	0.06	0.04

G) Domestic Consumption Trend: 2015-16 2016-17 2017-18 2018-19(r) 2019-20(p)

Quantity (Tonnes) 1600 6338^(@) 5923^(@) 3188^(@) N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	528	756	453	583	634
Value (Rs. crore)	0.64	0.83	0.51	0.73	0.79
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports					
Quantity (Tonnes)	439	551	321	611	416
Value (Rs. crore)	1.51	1.44	0.74	1.62	1.10
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2019-20 :

Exports	UAE	Japan	Saudi Arab	Norway	Jordan	Others
Quantity (Tonnes)	250	139	120	96	26	3
Value (Rs. crore)	0.30	0.19	0.17	0.09	0.02	0.02
Imports	Kenya	Brazil	Japan			
Quantity (Tonnes)	242	168	6			
Value (Rs. crore)	0.51	0.48	0.11			

K) Five Principal Vermiculite Mines in 2019-20:

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).
Mangalapur*	Vill. Mangalapur Distt. Nellore Andhra Pradesh	Sree Sravana Minerals S. No. 209/A,B,210/A of Mangalapur(Village) Gudur (Mandal), SPSR Nellore – 524 406, (A.P).
Sevathur	Vill. Sevathur Distt. Vellore Tamil Nadu	Tamil Nadu Minerals Ltd., 31, Kamarajar, Salaitwad House, Chepauk, Chennai – 600 005, Tamil Nadu.
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.

L) Contribution of above Mines in 2019-20 :

Quantity (Tonnes) 2774

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) : 77

B) Mining Leases as on 31-3-2020(p) (Area in Hectares)	No. of Leases 15	Lease Area 302.72
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C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2018-19	2019-20(p)	2018-19	2019-20(p)
INDIA	3	4	184063	124657
Private Sector	3	4	184063	124657
Non-captive	3	4	184063	124657
'A' Category	1	2	179323	121642
'B' Category	2	2	4740	3015
STATE				
Rajasthan	3	4	184063	124657

D) **Production Trend** :

	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)	175348	166186	153049	184063	124657
Value (Rs. '000)	150313	158823	126025	172013	119054

E) Closing Stock	:	2015-16	2016-17	2017-18	2018-19	2019-20(p)
Quantity (Tonnes)		13896	17782	25518	82594	101095

F) **Employment** :

Average Number of Persons Employed per Day	265	230
Percentage Share of Employment to Total for MCDR Minerals	0.23	0.21

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes)	164	153 ^D	144 ^D	127 ^D	N.A.

H) Exports/Imports Trend:

Exports	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	16616	16700	12479	13786	14583
Value (Rs. crore)	27.93	29.35	22.49	27.91	29.86
Percentage Share to the Value of Exports of All Minerals	0.02	0.01	0.01	0.01	0.01
Imports					
Quantity (Tonnes)	2818	3483	11461	26483	22618
Value (Rs. crore)	5.32	7.31	15.64	33.16	29.48
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2019-20 :

Exports	Belgium	Germany	Hungary	Japan	France	Others
Quantity (Tonnes)	6942	2484	1892	1782	302	1181
Value (Rs. crore)	15.30	4.89	3.34	3.07	0.76	2.50
Imports	China P Rp	Canada	Mexico	USA	Hong Kong	Others
Quantity (Tonnes)	22330	121	67	36	27	37
Value (Rs. crore)	26.68	1.52	0.36	0.26	0.04	0.62

J) Wollastonite Mines in 2019-20 :

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 – 313 003, Rajasthan.
Ramawas	Vill. Ramavas Distt. Ajmer Rajasthan	Renu Atre, C-378, Pardhan Marg, Malviya Nagar, Jaipur – 302 017, Rajasthan.
Kotra (22/01)	Vill. Kotra Distt. Ajmer Rajasthan	Renu Atre, C-378, Pardhan Marg, Malviya Nagar, Jaipur – 302 017, Rajasthan.

K) Contribution of above Mines in 2019-20 :

Quantity (Tonnes)	124657
Percentage Share to All-India Production :	100

D : Despatches.