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

**Statistical Profiles
of
Minerals**

2020-21

Issued by

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

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Abbreviations/Symbols

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

INTRODUCTION

This publication presenting the information on mineral production for 2020-21 is the 37th 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 1-4-2020. 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 2019-20 are based on the production reported by the mine owners through Annual/Monthly returns under the provisions of the MCDR 2017 while those for 2020-21 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 2016-17 to 2020-21 and country-wise information is given for the year 2020-21 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 2016-17 to 2020-21. Country-wise break-up of some of the minerals at 8- digit ITC (HS) code level is not available for the year 2020-21. 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 1-4-2020(p) (Th. tonnes)	29	21081	21110
Life Index (Years)	:		Very Large
B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	:	No. of Leases 1	Lease Area 13.47

C) **Mines Reporting Production** :

	No. of Mines		Production (tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	-	-	-	-
Public Sector	-	-	-	-
Private Sector	-	-	-	-
Captive				
Non-captive	-	-	-	-
'A' Category	-	-	-	-
'B' Category	-	-	-	-
STATES				
Andhra Pradesh	-	-	-	-
West Bengal	-	-	-	-

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (tonnes)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Th. tonnes)	7	7	7	6	6

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 (Th. tonnes) (Apatite & Rock Phosphate)	4442	1994	9236 ^(@)	9290 ^(@)	9100 ^(@)

H) Exports/Imports Trend:

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(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 2020-21 :

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

J) Apatite Mines in 2020-21 :

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

K) Contribution of above Mines in 2020-21:

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

(@) : Apparent Consumption

ASBESTOS

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (All Grades) (Th. tonnes)	-	22908	22908

Life Index (Years) : Very Large

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases	Lease Area
	-	-

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	-	-	-	-
Public Sector	-	-	-	-
Private Sector	-	-	-	-
Captive	-	-	-	-
Non-captive	-	-	-	-
'A' Category	-	-	-	-
'B' Category	-	-	-	-
STATES				
Andhra Pradesh	-	-	-	-
Rajasthan*	-	-	-	-
GRADES				
Chrysotile	-	-	-	-

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (tonnes)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(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 (Th. tonnes)		N.A	N.A	N.A	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (tonnes)	102	132	1112	1001	299
Value (Rs. crore)	0.10	0.09	3.39	3.10	1.20
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports					
Quantity (tonnes)	310592	357182	364105	361163	308506
Value (Rs. crore)	1127.94	1160.37	1225.3	1243.23	1185.11
Percentage Share to the Value of Imports of All Minerals	0.14	0.11	0.09	0.11	0.15

I) Exports/Imports by Country in 2020-21:

Exports	Bangladesh	Nepal	Kenya	Cote D' Ivoire	Others	
Quantity (tonnes)	275	24	++	++	--	
Value (Rs. crore)	1.19	++	++	++	--	
Imports	Russia	Brazil	Hungary	Kazakhstan	Poland	Others
Quantity (tonnes)	195419	72385	16549	10105	9614	4434
Value (Rs. crore)	774.91	245.49	68.83	37.93	34.82	23.13

J) Principal Asbestos Mines in 2020-21:

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

K) Contribution of above Mines in 2020-21:

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

BAUXITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. tonnes)	646493	4311754	4958248
Life Index (Years)	:		120
B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	:	No. of Leases 352	Lease Area 26082.24
C) Mines Reporting Production	:		

	No. of Mines		Production (Th. tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	144(6)	131(6)	21825	20369
Public Sector	21	20	10860	10675
Private Sector	123(6)	111(6)	10965	9694
Captive	48	44	15650	14957
Non-captive	96(6)	87(6)	6175	5412
'A' Category	37	36	18545	17948
'B' Category	107(6)	95(6)	3280	2421
STATES				
Chhattisgarh	15	14	1565	715
Gujarat	68	60	2076	1498
Jharkhand	20	19	1419	1497
Karnataka	1*	-	-	-
Madhya Pradesh	20(6)	21(6)	686	622
Maharashtra	15	12	596	471
Odisha	5	5	15483	15566
Tamil Nadu	-	-	-	-
For use in alumina and aluminium metal extraction^s				
Above 60% Al ₂ O ₃			-	-
55 – 60% Al ₂ O ₃			6	-
50 – 55% Al ₂ O ₃			2	-
45 – 50% Al ₂ O ₃			121	877
40 – 45% Al ₂ O ₃			18636	17056
Below 40% Al ₂ O ₃			260	150
For use other than alumina and aluminium metal extraction^s				
Cement			2283	1931
Abrasive			68	90
Refractory			120	131
Chemical			329	134

D) Production Trend	:				
	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th. tonnes)	24745	22786	23690	21825	20369
Value (Rs. '000)	14865504	15784174	17836033	16299333	16667101

E) Closing Stock	:				
Quantity(Th. tonnes)	2016-17	2017-18	2018-19	2019-20	2020-21(p)
	16301	18072	19927	15290	18204

F) Employment	:				
Average Number of Persons Employed per Day			6162	5023	
Percentage Share of Employment to Total for MCDR Minerals			5.53	5.06	

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

^s: 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	22171	24025

H) Exports/Imports Trend :

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Th. tonnes)	2791	1529	1510	524	241
Value (Rs. crore)	510.53	270.50	304.53	142.13	95.14
Percentage Share to the Value of Exports of All Minerals	0.26	0.14	0.14	0.07	0.05
Imports					
Quantity (Th. tonnes)	1895	1461	2255	2247	3034
Value (Rs. crore)	778.51	772.71	1336.41	1081.78	1370.95
Percentage Share to the Value of Imports of All Minerals	0.10	0.08	0.10	0.09	0.17

I) Exports/Imports by Country in 2020-21:

Exports	Nepal	Oman	Slovenia	Korea RP	UK	Others
Quantity (Th. tonnes)	158	55	11	3	2	11
Value (Rs. crore)	33.18	12.38	17.85	1.19	7.74	22.80
Imports	Guinea	China P Rp	Guyana	Hong Kong	Singapore	Others
Quantity (Th. tonnes)	2931	86	8	6	1	2
Value (Rs. crore)	1104.09	237.14	9.85	12.48	3.46	3.93

J) Five Principal Bauxite Mines in 2020-21:

Name of Mine	Location of Mine	Address of Mine Owner
Panchpatmali	Vill. Panchpatmali Distt. Koraput Odisha	National Aluminium Co. Ltd, P-1,Nayapalli, Nalco Bhawan, Bhubaneshwar,Khurda – 751061, Odisha.
Baphlimali	Vill. Paikkupakhal Distt. Raygada Odisha	Utkal Alumina International Ltd, J-6, Jayadev Vihar, Bhubaneshwar – 751013,Odisha.
Kodingamali	Vill. Kodingamali Distt. Koraput Odisha	The Odisha Mining Co. Ltd., OMC House, Unit-V, Bhubaneshwar, Khurda – 751 001, Odisha
Panchpatmali (South Block)	Vill. Panchpatmali Distt. Koraput Odisha	National Aluminium Co. Ltd, P-1,Nayapalli, Nalco Bhawan, Bhubaneshwar, Khurda – 751 061, Odisha.
Tatijharia	Vill. Kudag Distt. Surguja Chattisgarh	M/s. Hindalco Industries Ltd., Ahuja Centre 1 st floor, B wing Mahakali Caves Road Andheri(East) Mumbai-440093, Maharashtra

K) Contribution of above Mines in 2020-21:

Quantity (Th. tonnes)	15899
Percentage Share to All-India Production:	78

CHROMITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (All Grades) (Th. tonnes)	78535	253150	331685

Life Index (Years) : 66

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases 24	Lease Area 7629.79
--	----------------------------	------------------------------

C) **Mines Reporting Production** :

	No. of Mines		Production (Th. tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	22	23	3929	2864
Public Sector	09	08	810	1124
Private Sector	13	15	3119	1740
Captive	5	5	794	654
Non-captive	17	18	3135	2210
'A' Category	20	22	3785	2864
'B' Category	2	1	144	
STATES				
Karnataka	2	2	-	-
Odisha	20	21	3929	2864
GRADES				
Above 52% Cr ₂ O ₃	Lumps		-	-
	Fines		1625	615
40 - 52% Cr ₂ O ₃	Lumps		95	132
	Fines		1079	1220
Below 40% Cr ₂ O ₃	Lumps		73	82
	Fines		830	782
Concentrates			227	33

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th. tonnes)	3728	3481	3971	3929	2864
Value (Rs. '000)	31937475	32037005	36850747	32134395	22910242

E) **Closing Stock** : **2016-17** **2017-18** **2018-19** **2019-20** **2020-21(p)**
Quantity(Th. tonnes) 2694 2270 2253 2411 2799

F) **Employment** :

Average Number of Persons Employed per Day 5845 4248

Percentage Share of Employment to 5.25 4.28

Total for MCDR Minerals

G) Domestic Consumption Trend	:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. tonnes)		2448	2289	2575	2775	2719

H) Exports/Imports Trend :

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Th. tonnes)	82	39	34	34	3
Value (Rs. crore)	174.30	133.77	86.79	86.79	7.20
Percentage Share to the Value of Exports of All Minerals	0.09	0.06	0.05	0.05	++
Imports					
Quantity (Th. tonnes)	154	161	163	125	156
Value (Rs. crore)	210.51	298.19	315.44	206.50	225.77
Percentage Share to the Value of Imports of All Minerals	0.03	0.03	0.03	0.02	0.03

I) Exports/Imports by Country in 2020-21 :

Exports	China P Rp	Spain	U A E	Nepal	South Africa	
Quantity (Th. tonnes)	3	0.1	0.05	2	--	
Value (Rs. crore)	6.57	0.46	0.16	++	--	
Imports	S. Africa	Mozambique	Switzerland	Turkey	Oman	Others
Quantity (Th. tonnes)	110	30	6	5	4	1
Value (Rs. crore)	165.49	38.49	8.78	5.69	4.79	2.53

J) Five Principal Chromite Mines in 2020-21 :

Name of Mine	Location of Mine	Address of Mine Owner
South Kaliapani	Vill. Kaliapani Distt. Jajpur Odisha	The Odisha Mining Corpn. Ltd., OMC House, Unit 5, Post Box No-34, Bhubaneshwar – 751 001, Odisha.
Sukinda Chromite mine	Vill. Sukinda Distt. Jajpur Odisha	Tata Steel Mining Limited, N-3/24 IRC Village- Nayapalli, Bhubaneshwar –751 015, Odisha.
Sukinda	Vill. Kaliapani Distt. Jajpur Odisha	Indian Metals & Ferro Alloys Ltd., IMFA Building, Bomikhal, P.O. Rasulgarh, Bhubaneswar – 751 010, Odisha.
Mahagiri	Vill. Kaliapani Distt. Jajpur Odisha	Indian Metals & Ferro Alloys Ltd., IMFA Building, Bomikhal, P.O. Rasulgarh, Bhubaneswar – 751 010, Odisha.
Sukrangi	Vill. Sukrangi Distt. Jajpur Odisha	The Odisha Mining Corpn. Ltd., OMC House, Unit 5, Post Box No-34, Bhubaneshwar – 751 001, Odisha.

K) Contribution of above Chromite Mines in 2020-21:

Quantity (Th. tonnes)	2447
Percentage Share to All-India Production	85

COPPER ORE & CONCENTRATES

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) :			
(Th. tonnes) a) Ore :	163891	1496979	1660870
b) Metal :	2162	10035	12197
Life Index (Years) (Ore) :			230

B) Mining Leases as on 31-3-2021(p) :	No. of Leases	Lease Area
Ore (Area in Hectares)	13	4198.05

C) Mines Reporting Production :

	No. of Mines		Production(Th.tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
India	5	5		
Ore			3952	3378
Concentrates			125	109
Public Sector	5	5		
Ore			3952	3378
Concentrates			125	109
Captive	5	5		
Ore			3952	3378
Concentrates			125	109
'A' Category	5	5		
Ore			3952	3378
Concentrates			125	109

STATES	No. of Mines		Production (Th. tonnes)			
	2019-20	2020-21(p)	2019-20		2020-21(p)	
			Qty	Cu%	Qty	Cu%
Jharkhand	2	2				
Ore			288	0.78	418	0.72
Concentrates			8	24.59	1	22.44
Madhya Pradesh	1	1				
Ore			2544	0.69	2344	0.76
Concentrates			65	27.47	65	27.39
Rajasthan	2	2				
Ore			1120	0.87	992	0.83
Concentrates			52	16.85	43	16.83

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th. tonnes)					
Ore	3846	3678	4135	3952	3378
Concentrates	135	142	144	125	109
Value (Rs.'000)					
Concentrates	6506133	7706611	8846151	8448405	8633968

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Th. tonnes)Ore	67	55	190	264	121
Concentrates	38	40	38	64	23

F) Employment :

Average Number of Persons Employed per Day	3928	2766
Percentage Share of Employment to Total for MCDR Minerals	3.53	2.78

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)	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (tonnes)	22711	61005	181642	212659	82463
Value (Rs. crore)	105.43	380.55	1662.76	2045.09	768.94
Percentage Share to the Value of Exports of All Minerals	0.05	0.19	0.76	1.08	0.39
Imports (Ores & Concentrates)					
Quantity (tonnes)	1143216	1488163	823938	821555	415136
Value (Rs. crore)	18298.7	27834.48	12146.2	8667.52	5907.16
Percentage Share to the Value of Imports of All Minerals	2.26	2.71	0.93	0.75	0.75

I) Exports/Imports by Country in 2020-21:

Exports	China P Rp	Korea Rp	Canada	Malaysia	Taiwan	Others
Quantity (tonnes)	81060	1403	++	--	--	++
Value (Rs. crore)	759.03	9.91	++	--	--	++
Imports	Chile	Indonesia	Canada	Malaysia	Saudi Arab	Others
Quantity (tonnes)	245238	119609	20386	19821	10046	36
Value (Rs. crore)	2906.50	2139.14	296.97	397.47	166.71	0.37

J) Copper Ore Mines in 2020-21:

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 – 700019.
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 2020-21:

Quantity (Th. tonnes) (Copper Ore) 3378
Percentage Share to All-India Production 100

DIAMOND

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. carats)	848	30876	31724
Life Index (Years)			85

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases 2	Lease Area 275.96
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C) **Mines Reporting Production** :

	No. of Mines		Production (carats)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	2	2	28816	13917
Public Sector	2	2	28816	13917
Private Sector	-	-	-	-
Captive	-	-	-	-
Non-captive	2	2	28816	13917
'A' Category	1	1	28523	13673
'B' Category	1	1	293	244
STATE				
Madhya Pradesh	2	2	28816	13917

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (carats)	36491	39699	38437	28816	13917
Value (Rs. '000)	639562	374110	539062	352472	220304

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(carats)		24102	25637	39163	33938	25329

F) **Employment** :

Average Number of Persons Employed per Day	161	137
Percentage Share of Employment to Total for MCDR Minerals	0.14	0.14

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

H) **Exports/Imports Trend** :

Exports (Mostly Cut)	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Th. carats)	**	**	**	**	**
Value (Rs. crore)	162567.30	161930.97	175732.9	139974.23	125734.58
Percentage Share to the Value of Exports of All Minerals	81.23	81.18	80.18	73.79	63.94
Imports (Mostly Cut)					
Quantity (Th. carats)	**	**	**	**	**
Value (Rs. crore)	129442.6	189912.97	177377.23	147951.60	127725.13
Percentage Share to the Value of Imports of All Minerals	15.99	18.46	13.65	12.85	16.14

I) **Exports/Imports by Country in 2020-21:**

Exports (Mostly Cut)	USA	Hong Kong	Belgium	UAE	Israel	Others
Quantity (Th. carats)	**	**	**	**	**	**
Value (Rs. crore)	45721.59	42896.59	9305.03	8202.30	6050.07	13559.00
Imports (Mostly Cut)	UAE	USA	Belgium	Hong Kong	Russia	Others
Quantity (Th. carats)	**	**	**	**	**	**
Value (Rs. crore)	36406.25	26346.63	25642.11	17100.18	5001.82	17228.14

J) **Diamond Mines in 2020-21** :

Name of Mine	Location of Mine	Address of Mine Owner
Majhgawan	Vill. Hinota, Majhgawan Distt. Panna Madhya Pradesh	National Min. Dev. Corpn. Ltd, 10-3-311/A, Khanij Bhavan, Castle Hills, Masab Tank, Hyderabad – 500028, Andhra Pradesh.
Shallow (Uthali)	Vill. Itwan, Ramkhiria Distt. Panna Madhya Pradesh	Director of Geology & Mining, (Diamond Project), Govt. of Madhya Pradesh, Khanij Bhavan, 29-A, Arera Hills, Bhopal – 462016, Madhya Pradesh.

K) **Contribution of above Mines in 2020-21** :

Quantity (carats) 13917
Percentage Share to All-India Production 100

** : The unit level quantities are non additive.

EMERALD

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Kgs.)	-	55869	55869
Life Index (Years)			N.E.

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases	Lease Area
	1	46.32

C) **Mines Reporting Production** :

	No. of Mines		Production (kg)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	No Production reported			
Public Sector	- do -			
Private Sector	- do -			
Captive	- do -			
Non-Captive	- do -			
'A' Category	- do -			
'B' Category	- do -			
STATE				
Rajasthan	- do -			

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (kg)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(kg)		20	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 (Kgs.) N.A. N.A. N.A. N.A. N.A.

H) Exports/Imports Trend :

Exports (Uncut/Cut)	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity	**	**	**	**	**
Value (Rs. crore)	2034.02	1775.65	2302.62	1738.79	531.66
Percentage Share to the Value of Exports of All Minerals	1.02	0.89	1.05	0.92	0.27
Imports (Uncut/Cut)					
Quantity	**	**	**	**	**
Value (Rs. crore)	11342.88	7793.47	3659.23	2440.35	799.78
Percentage Share to the Value of Imports of All Minerals	1.40	0.76	0.36	0.21	0.10

I) Exports/Imports by Country in 2020-21 :

Exports	Hong Kong	USA	Thailand	Italy	UAE	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	206.09	129.32	56.20	31.45	24.18	84.42
Imports	Zambia	UAE	Hong Kong	USA	Singapore	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	318.09	149.44	148.37	57.90	46.74	79.24

J) Emerald Mine in 2020-21 : Nil

K) Contribution of above Mine in 2020-21 :

Quantity (kg) ----

Percentage Share to All-India Production ----

** Quantity in different units.

FLINT STONE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	N.E.	N.E.	N.E.
Life Index (Years)			N.E.

B) Mining Leases as on 31-3-2021(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)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	-	-	-	-
Public Sector	-	-	-	-
Private Sector	-	-	-	-
Captive	-	-	-	-
Non-captive	-	-	-	-
'A' Category	-	-	-	-
'B' Category	-	-	-	-
STATES				
Jharkhand	-	-	-	-

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	26	-	-	-	-
Value (Rs. '000)	8	-	-	-	-

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(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)	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	652	824	790	1195	406
Value (Rs. crore)	0.66	0.77	1.04	0.80	0.30
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports (Flint Stone)					
Quantity (Tonnes)	1712	4431	6887	6279	9209
Value (Rs. crore)	2.42	5.62	7.60	6.24	8.52
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2020-21 :

Exports (Flint Stone)	Sudan	Chad	Kuwait	Ethiopia	Oman	Others
Quantity (Tonnes)	166	108	51	27	27	27
Value (Rs. crore)	0.06	0.09	0.03	0.02	0.07	0.03
Imports (Flint Stone)	Egypt A Rep	France	UK			
Quantity (Tonnes)	7548	1637	24			
Value (Rs. crore)	5.65	2.79	0.08			

J) Flint Stone Mines in 2020-21:

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

K) Contribution of above Mines in 2020-21:

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

FLUORITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes) :	404	20588	20992
Life Index (Years) :			Very large

B) Mining Leases as on 31-3-2021(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)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	1	1	1315	1052
Public Sector	1	1	1315	1052
Private Sector	-	-	-	-
Captive	-	-	-	-
Non-captive	1	1	1315	1052
'A' Category	-	-	-	-
'B' Category	1	1	1315	1052
STATES				-
Gujarat	-	-	-	-
Maharashtra	1	1	1315	1052

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	1175	1314	1079	1315	1052
Value (Rs. '000)	6733	8646	8117	8844	7897

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes) (Graded)	97794	97359	97597	97749	97818

F) **Employment** :

Average Number of Persons Employed per Day	44	44
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 ^(@)	264752 ^(@)	324704 ^(@)

H) Exports/Imports Trend :

Exports (Fluorite)	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	608	470	534	1368	474
Value (Rs. crore)	2.16	1.53	2.34	5.16	2.24
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports (Fluorite)					
Quantity (Tonnes)	190446	221817	265445	239589	220573
Value (Rs. crore)	299.23	395.90	728.18	722.59	609.06
Percentage Share to the Value of Imports of All Minerals	0.04	0.04	0.06	0.06	0.08

I) Exports/Imports by Country in 2020-21 :

Exports (Fluorite)	Indonesia	Philippines	Oman	Jordan	Qatar	Others
Quantity (Tonnes)	249	44	44	28	21	88
Value (Rs. crore)	1.36	0.23	0.05	0.11	0.11	0.38
Imports (Fluorite)	S. Africa	Thailand	Vietnam Soc Rp	China P Rp	Canada	Others
Quantity (Tonnes)	141117	27492	16980	14089	4015	16880
Value (Rs. crore)	385.86	69.65	54.01	43.36	11.95	44.23

J) Fluorite Mines in 2020-21:

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 2020-21:

Quantity (Tonnes)	1052
Percentage Share to All-India Production	100

(@) : Apparent Consumption

GARNET

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	8590	47417	56007
Life Index (Years)			359
B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases		Lease Area
Abrasive	30		176.95
Gem	-		-

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
Garnet (Abrasive)				
INDIA	7	6	568	9307
Public Sector	-	-	-	-
Private Sector	7	6	568	9307
Captive	-	-	-	-
Non-Captive	7	6	568	9307
'A' Category	-	-	-	-
'B' Category	7	6	568	9307
STATES				
Rajasthan	5	4	568	9307
Tamil Nadu	2	2	-	-

D) **Production Trend** :

Garnet (Abrasive)	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (tonnes)	85413	158277	123404	568	9307
Value (Rs. '000)	787302	1618903	1746756	1775	33585

E) Closing Stock	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity Garnet (Abrasive) (Tonnes)	67953	78008	95784	45947	3832

F) **Employment** :

Average Number of Persons Employed per Day	39	51
Percentage Share of Employment to Total for MCDR Minerals	0.04	0.05

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:

	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Exports (Garnet (Abrasives))					
Quantity (Tonnes)	387276	157223	10434	74697	76799
Value (Rs. crore)	469.18	234.66	178.39	125.45	126.56
Exports (Garnet (Cut & Uncut))					
Quantity	**	**	**	**	**
Value (Rs. crore)	24.17	41.67	49.48	36.68	28.08
Percentage Share to the Value (Abrasives)	0.23	0.12	0.08	0.07	0.06
of Exports of All Minerals (Cut & Uncut)	0.01	0.02	0.02	0.02	0.01
Imports (Garnet (Abrasives))					
Quantity (Tonnes)	2286	2256	422	391	345
Value (Rs. crore)	2.22	2.12	0.64	0.62	1.47
Imports (Garnet (Cut & Uncut))					
Quantity	**	**	**	**	**
Value (Rs. crore)	22.23	33.59	16.98	18.45	9.73
Percentage Share to the Value (Abrasives)	++	++	++	++	++
of Imports of All Minerals (Cut & Uncut)	++	++	++	++	++

I) Exports/Imports by Country in 2020-21:

Exports (Garnet Abrasive)	USA	UAE	Malaysia	Saudi Arab	Italy	Others
Quantity (Tonnes)	19989	9184	7057	6540	5208	28821
Value (Rs. crore)	30.89	15.75	11.32	11.68	9.16	47.76
Exports (Garnet (Cut & Uncut))	Thailand	HongKong	USA	UK	Japan	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	7.91	6.97	4.74	1.84	1.37	5.25
Imports (Garnet Abrasive)	UK			UAE		
Quantity (Tonnes)	241			104		
Value (Rs. crore)	1.27			0.20		
Imports (Garnet (Cut & Uncut))	Thailand	HongKong	USA	Kenya	Sri Lanka Dsr	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	2.46	2.26	1.14	1.07	0.94	1.86

J) Principal Garnet Mines in 2020-21:

Name of Mine	Location of Mine	Address of Mine Owner
Sarwar (20/2000)	Vill. Sarwar Distt. Ajmer Rajasthan	Arun Bagdiya C/o, Shri Ramdev Bagdiya, Resi No.-110, Kendriya Vihar, Sector-8. Bidyadhar Nagar, Jaipur-302039, Rajasthan.
Kodukota	Vill. Gokulpura Distt. Bhilwara Rajasthan	AKD Gem Garnet Mines, F-203, Near Mahapragya Circle, Azad Nagar, Bhilwara – 31101, Rajasthan.
Kochariya	Vill. Kochariya Distt. Bhilwara Rajasthan	Ummed Singh Ranawat, Vill. Basda. P.O. Gundali, Bhilwara-311001 Rajasthan.

K) Contribution of above Mines in 2020-21:

Garnet (Abrasives) Quantity (Tonnes)	9307
Percentage Share to All-India Production	100

** Quantity in different units.

GOLD

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) :			
Primary Ore (Th. Tonnes)	23728	494506	518234
Metal (Tonnes)	93	514	607
Life Index (Years) (Ore) :			278
B) Mining Leases as on 31-3-2021(p) :	No. of Leases		Lease Area
(Area in Hectares)	10		6934.25
C) Mines Reporting Production :			

	No. of Mines		Production	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	6	6		
Ore (Th. Tonnes)			596	451
Gold Bullion (kg)			1742	1126
Primary			1742	1126
Public Sector	4	4		
Ore (Th. Tonnes)			591	448
Gold Bullion (kg)			1724	1116
Private Sector	2	2		
Ore (Th. Tonnes)			5	3
Gold Bullion (kg)			18	11
Captive	6	6		
Ore (Th. Tonnes)			596	451
Gold Bullion (kg)			1742	1126
'A' Category	5	5		
Ore (Th. Tonnes)			596	451
Gold Bullion (kg)			1742	1126
'B' Category	1	1		
Ore (Th. Tonnes)			-	-
Gold Bullion (kg)			-	-
STATES				
Andhra Pradesh	1*	1*		
Ore (Th. Tonnes)			-	-
Gold Bullion (kg)			-	-
Jharkhand	1	1		
Ore (Th. Tonnes)			5	3
Gold Bullion (kg)			18	11
Karnataka	4	4		
Ore (Th. Tonnes)			591	448
Gold Bullion (kg)			1724	1116

D) Production Trend :

Quantity	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Ore (Th. Tonnes)	582	550	567	596	451
Gold Bullion (kg)	1595	1650	1672	1742	1126
Value (Rs. '000)					
Gold Bullion	4362410	4770022	5267696	6495723	5475950

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Ore)(Th. Tonnes)	110	68	89	151	101

F) Employment :

Average Number of Persons Employed per Day	3261	2788
Percentage Share of Employment to Total for MCDR Minerals	2.93	2.81

* Only labour reported, (p): Provisional

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	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Metal)(kg)	133032	36927	507	1730	4191
Value (Rs. crore)	36179.54	9668.60	144.13	574.27	1889.57
Percentage Share to the Value of Exports of All Metals	19.86	5.08	0.08	0.35	0.91
Imports					
Quantity (Metal)(kg)	778449	955336	982697	719905	651238
Value (Rs. crore)	183960.13	217072.07	229536.5	199249.50	254288.47
Percentage Share to the Value of Imports of All Metals	54.46	52.71	48.04	47.81	58.38

I) Exports/Imports by Country in 2020-21 :

Exports	Switzerland	Turkey	Guinea	UAE	Hong Kong	Others
Quantity (Metal) (kg)	3124	1048	9	7	3	++
Value (Rs. crore)	1417.59	463.73	3.79	3.15	1.19	0.12
Imports	Switzerland	UAE	S. Africa	Peru	Guinea	Others
Quantity (Metal) (kg)	275265	70583	43020	31429	26173	204768
Value (Rs. crore)	119384.94	30916.94	18709.91	11055.74	10517.71	63703.23

J) Gold Mines in 2020-21 :

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

K) Contribution of above Mines in 2020-21 :

Quantity (Th. Tonnes) Gold Ore (Primary)	451
Percentage Share to All-India	100

GRAPHITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes) :	8563	203060	211623
Life Index (Years) :			723
B) Mining Leases as on 31-3-2021(p) (Area in Hectares) :	No. of Leases 38		Lease Area 1557.85

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	12	12	34674	30168
Public Sector	1	1	-	10026
Private Sector	11	11	34674	20142
Captive	2	2	-	10026
Non-captive	10	10	34674	20142
'A' Category	2	2	-	10
'B' Category	10	10	34674	30158
STATES				
Chhatisgarh	1	1	908	1701
Jharkhand	3	3	21202	5674
Karnataka	2*	2*	-	-
Odisha	5	5	12564	12767
Tamil Nadu	1	1	-	10026
GRADES				
80% or more fixed carbon			615	821
40% or more but less than 80% fixed carbon			651	472
less than 40% fixed carbon			33408	28875

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	122438	33649	39030	34674	30168
Value (Rs. '000)	94158	28229	36233	55908	60054

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Tonnes)	186603	177914	177944	179191	178865

F) **Employment** :

Average Number of Persons Employed per Day	219	121
Percentage Share of Employment to Total for MCDR Minerals	0.20	0.12

* Only labour reported.

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	58000	67600	71700	23200	19000

H) Exports/Imports Trend:

Exports (Graphite (Natural))	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	402	910	405	607	716
Value (Rs. crore)	3.03	7.76	2.30	3.26	4.30
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports (Graphite (Natural))					
Quantity (Tonnes)	37046	39864	47053	41405	40153
Value (Rs. crore)	139.11	148.79	232.89	186.32	180.82
Percentage Share to the Value of Imports of All Minerals	0.02	0.01	0.02	0.02	0.02

I) Exports/Imports by Country in 2020-21 :

Exports	Tanzania Rp	Nepal	Malaysia	UAE	Sudan	Others
Quantity (Tonnes)	185	106	81	77	60	207
Value (Rs. crore)	0.87	0.80	0.45	0.44	0.39	1.35
Imports	China P Rp	Madagascar	Mozambique	Vietnam Soc Rp	Tanzania Rp	Others
Quantity (Tonnes)	21800	9437	3644	3281	594	1397
Value (Rs. crore)	79.99	54.43	13.39	10.36	1.77	20.88

J) Five Principal Graphite Mines in 2020-21 :

Name of Mine	Location of Mine	Address of Mine Owner
Sivaganga	Vill. Senthidayanathapura Distt. Sivaganga Tamil Nadu	Tamil Nadu Minerals Limited, 31, Kamarajar Salaitwad House, Chepauk, Chennai-600 005, Tamil Nadu.
Gandabahali & Kirkita	Vill. Gandabahali Distt. Nawapara Odisha	Pramod Kumar Agrawal, Shantikunj Farm Road Modipara, Sambalpur – 768 002, Odisha.
Gandabahali	Vill. Gandabahali Distt. Nawapara Odisha	Prabhas Chandra Agrawal, Shantikunj Farm Road Modipara, Sambalpur – 768 002, Odisha.
Betla	Vill. Betla Distt. Latehar Jharkhand	Parijat Mining Industries India(P) LTD. Town Hall Road, Opp. Shivajee Maidan, Daltonganj , Palamau – 822101, Jharkhand.
Murma	Vill. Murma Distt. Palamau Jharkhand	Krishna Kumar Poddar 3P, Shree Gopal Complex Court Road, Ranchi – 834 001, Jharkhand.

K) Contribution of above Mines in 2020-21 :

Quantity (Tonnes)	27164
Percentage Share to All-India Production	90.04

IOLITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Kg.)	N.A.	N.A.	N.A.

Life Index (Years) : N.E

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases	Lease Area
	5	61.79

C) **Mines Reporting Production** :

	No. of Mines		Production (kg)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	2	3	90	16
Public Sector	-	-	-	-
Private Sector	2	3	90	16
Captive	-	-	-	-
Non-captive	2	3	90	16
'A' Category	-	-	-	-
'B' Category	2	3	90	16
STATE				
Odisha	2	3	90	16

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (kg)	-	-	73	90	16
Value (Rs. '000)	-	-	684	579	73

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (kg)		2204	2220	2321	2411	2427

F) **Employment** :

Average Number of Persons Employed per Day	24	16
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 (kgs)	N.A.	N.A.	N.A.	N.A.	N.A.

H) Exports/Imports Trend:

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(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 2020-21:

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

J) Iolite Mine in 2020-21:

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

K) Contribution of above mine in 2020-21:

Quantity (kg)	16
Percentage Share to All-India Production	100

IRON ORE AND CONCENTRATES

Items	Reserves	Remaining Resources	Total
A) Recoverable Reserves (Total) :	6412	28874	35286
(Million Tonnes) Hematite {1-4-2020(p)}	6209	17849	24058
Magnetite {1-4-2020(p)}	203	11025	11228
Life Index (Years) :			98
(Includes Hematite & Magnetite)			

B) Mining Leases as on 31-3-2021(p) :	No. of Leases	Lease Area
Iron Ore (Area in Hectares)	359	56020.35

C) Mines Reporting Production :

	No. of Mines		Production (Th. Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	271(8)	273(8)	244083	204481
Public Sector	38	41	70879	76058
Private Sector	233(8)	232(8)	173204	128423
Captive	41	53	68201	83019
Non-captive	230(8)	220(8)	175882	121462
'A' Category	139	157	174856	156338
'B' Category	132(8)	116(8)	69227	48143
STATES				
Andhra Pradesh	18	12	825	360
Chhattisgarh	20	21	34728	36989
Goa	45	38	-	94
Jharkhand	21	16	25015	21434
Karnataka	61	65	31392	34542
Madhya Pradesh	19(7)	21(7)	3343	4094
Maharashtra	13	11	1131	1249
Odisha	64(1)	80(1)	146637	104631
Rajasthan	10	9	1012	1088
Telangana			-	-
GRADES				
Lumps (Total)			76012	61590
Below 55% Fe			3542	3463
55% to below 58% Fe			2999	1942
58% to below 60% Fe			5207	6023
60% to below 62% Fe			10512	9300
62% to below 65% Fe			35077	24759
65% Fe and above			18675	16103
Fines (Total)			166889	141701
Below 55% Fe			7793	11150
55% to below 58% Fe			15182	17891
58% to below 60% Fe			10963	12857
60% to below 62% Fe			28343	30194
62% to below 65% Fe			85948	48947
65% Fe and above			18660	20662
Concentrates (Total)			1182	1190

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th. Tonnes)	194584	201426	206494	244083	204481
Value (Rs. '000)	252291800	347131039	453465829	496430578	493959913

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Th. Tonnes)	148716	152954	163121	146687	120978

F) Employment :

Average Number of Persons Employed per Day	45687	42742
Percentage Share of Employment to Total for MCDR Minerals	41.03	43.03

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

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

* : Only labour reported.

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes)	126774	150216	159576	174551	180685

H) Exports/Imports Trend :

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Th. Tonnes)	30731	24203	16150	36625	57723
Value (Rs. crore)	10292.93	9490.14	9262.61	18609.27	36255.60
Percentage Share to the Value of Exports of All Minerals	5.14	4.76	4.23	9.81	18.44
Imports					
Quantity (Th. Tonnes)	4607	8707	12808	1245	766
Value (Rs. crore)	2161.52	4229.40	5913.67	940.98	844.52
Percentage Share to the Value of Imports of All Minerals	0.27	0.41	0.46	0.08	0.11

I) Exports/Imports by Country in 2020-21 :

Exports	China P Rp	Japan	Malaysia	Oman	Korea Rp	Others
Quantity (Th. Tonnes)	51975	2000	742	698	658	1650
Value (Rs. crore)	31442.18	1505.39	660.51	628.30	571.04	1448.18
Imports	Baharain Is	S. Africa	Ukraine	Finland	Australia	Others
Quantity (Th. Tonnes)	379	166	96	61	58	6
Value (Rs. crore)	461.25	179.34	85.38	46.18	59.33	13.04

J) Five Principal Iron ore Mines in 2020-21 :

Name of Mine	Location of Mine	Address of Mine Owner
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 (West), 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.
Thakurani	Vill. Sayabali Distt. Keonjhar Odisha	Sarda Mines (P) Ltd., Room No. 64, 6 th Floor, Circular Court, 8-AJC Bose Road, Kolkata – 700 017, West Bengal.
Kumaraswamy	Vill. Kammadaruvu Distt. Bellary Karnataka	National Mineral Development Corp. Ltd., Khanij Bhavan, 10-3-311/A, Castle Hills, Masab Tank, Hyderabad-500028

K) Contribution of above Mines in 2020-21 :

Quantity (Th. Tonnes)	42766
Percentage Share to All-India Production	21

KYANITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	847	104835	105682
Life Index (Years)	:		Very Large

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	:	No. of Leases	Lease Area
		18	635.85

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	5	4	3498	4925
Public Sector	1	1	863	540
Private Sector	4	3	2635	4385
Captive	-	-	-	-
Non-captive	5	4	3498	4925
'A' Category	-	-	-	-
'B' Category	5	4	3498	4925
STATES				
Karnataka	1	1	400	3780
Maharashtra	4	3	3098	1145
GRADES				
40 % Al ₂ O ₃ & above			2248	605
Below 40 % Al ₂ O ₃			1250	4320

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	3253	7818	4889	3498	4925
Value (Rs. '000)	13458	23277	15757	12728	10837

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Tonnes)		12892	12340	12384	9622	11263

F) **Employment** :

Average Number of Persons Employed per Day	69	57
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	7700 ^D

H) Exports/Imports Trend:

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	153	166	284	143	252
Value (Rs. crore)	0.31	0.34	0.49	0.26	0.90
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports					
Quantity (Tonnes)	748	620	997	1112	1238
Value (Rs. crore)	1.66	1.78	2.76	3.35	4.21
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2020-21:

Exports	Greece	UAE	Saudi Arab	Ghana	Bhutan	Others
Quantity (Tonnes)	216	12	10	10	4	++
Value (Rs. crore)	0.49	0.04	0.02	++	0.35	++
Imports	USA	China P Rp	S. Africa	UAE	Malaysia	Others
Quantity (Tonnes)	985	180	54	10	5	4
Value (Rs. crore)	3.61	0.38	0.14	0.03	0.02	0.03

J) Kyanite Mines in 2020-21 :

Name of Mine	Location of Mine	Address of Mine Owner
Kargila	Vill. Kargila Dist. Mysore Karnataka	Mohammad Akram Rasheed, 3 Marcha Halli, H. D. Kote, Mysore – 571 125, Karnataka.
Pavri Kyanite Mine (Jamdi)	Vill. Sakra Dist. Bhandara Maharashtra	Pavri Kyanite Mine, A-1 Indra Sagar, Ravindranath Taigore Marg, Civil Lines, Nagpur – 440 001, Maharashtra.
Navargaon Chowa	Vill. Navargaon Dist. Bhandara Maharashtra	Maharashtra State Mining Corporation Ltd., Plot No. 7, Ajani Chowk, Wardha Road, Nagpur – 440 015, Maharashtra.

J) Contribution of above Mines in 2020-21:

Quantity (Tonnes)	4925
Percentage Share to All-India Production:	100

D : Despatches.

LEAD AND ZINC CONCENTRATES

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) :			
(Th. Tonnes)			
a) Ore	103275	663222	766497
b) Lead metal	1900	10970	12870
c) Zinc metal	7438	25732	33170
d) Lead+Zinc metal	0	143	143
Life Index (Years) (Lead & Zinc Ore) :			28
B) Mining Leases as on 31-3-2021(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)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
India	10	10		
Lead & Zinc Ore			14479	15455
Lead Concentrates			352	377
Zinc Concentrates			1447	1514
Public Sector	1*	-		
Lead & Zinc Ore			-	-
Lead Concentrates			-	-
Zinc Concentrates			-	-
Private Sector	9	10		
Lead & Zinc Ore			14479	15455
Lead Concentrates			352	377
Zinc Concentrates			1447	1514
Captive	9	10		
Lead & Zinc Ore			14479	15455
Lead Concentrates			352	377
Zinc Concentrates			1447	1514
'A' Category	9	10		
Lead & Zinc Ore			14479	15455
Lead Concentrates			352	377
Zinc Concentrates			1447	1514

STATES	No. of Mines		Production (Th. Tonnes)					
	2019-20	2020-21(p)	2019-20			2020-21(p)		
			Qty.	Pb%	Zn%	Qty.	Pb%	Zn%
Rajasthan	10	10						
Lead & Zinc Ore			14479	1.78	5.70	15455	1.78	5.45
Lead Concentrates			352	56.03		377	57.38	
Zinc Concentrates			1447		49.71	1514		49.94

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th. Tonnes)					
Lead & Zinc Ore	11881	12614	13752	14479	15455
Lead Concentrates	268	306	358	352	377
Zinc Concentrates	1484	1540	1457	1447	1514
Value (Rs. '000)					
Lead Concentrates	9669267	11429413	16316914	18260832	20416324
Zinc Concentrates	43385599	49799273	56083827	60438504	66668989

E) Closing Stock :

Quantity (Th. Tonnes)	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Lead & Zinc Ore	999	379	39	83	83
Lead Conc.	8	34	7	18	2
Zinc Conc.	66	27	23	26	29

F) Employment :

Average Number of Persons Employed per Day	10396	9557
Percentage Share of Employment to Total for MCDR Minerals	9.34	9.62

*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)	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	1	++	37	3	9
Value (Rs. crore)	++	0.01	0.20	0.02	0.11
Exports (Zinc Ores & Concentrates)					
Quantity (Tonnes)	53912	1206	2079	317	399
Value (Rs. crore)	399.02	3.15	7.12	1.58	2.07
Percentage Share to Val. (Lead Ore & conc.) of Exports of All Minerals(Zinc Ore & conc.)	++	++	++	++	++
	0.20	++	++	++	++
Imports (Lead Ores & Concentrates)					
Quantity (Tonnes)	6217	2220	1499	3283	5473
Value (Rs. crore)	31.87	14.94	8.55	16.67	32.51
Imports (Zinc Ores & Concentrates)					
Quantity (Tonnes)	1771	--	1422	101	804
Value (Rs. crore)	8.66	--	3.88	0.27	0.95
Percentage Share to Val. (Lead Ore & conc.) of Imports of All Minerals(Zinc Ore & conc.)	++	++	++	++	++
	++	--	++	++	++

I) Exports/Imports by Country in 2020-21 :

Exports (Lead ores & conc.)	Bangladesh	Sri Lanka	Canada	Iraq	S Africa	Others
Quantity (Tonnes)	9	++	++	++	++	++
Value (Rs. crore)	0.07	0.02	0.01	++	++	++
Exports (Zinc ores & conc.)	China P Rp			Cuba		
Quantity (Tonnes)	249			150		
Value (Rs. crore)	0.34			1.73		
Imports (Lead ores & conc.)	UAE	Turkey	Ghana	Sudan	Morocco	Others
Quantity (Tonnes)	2196	1574	322	316	276	789
Value (Rs. crore)	10.14	14.62	0.71	1.24	2.00	3.80
Imports (Zinc ores & conc.)	Belgium		USA		Others	
Quantity (Tonnes)	804		++		++	
Value (Rs. crore)	0.95		++		++	

J) Principal Lead & Zinc Mines in 2020-21:

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 2020-21 :

Quantity (Th. Tonnes)	15455
Percentage share to all India Production	100

LIME SHELL

Items : **Reserves** **Remaining Resources** **Total**
A) Total Resources 1-4-2020(p) : N.A. N.A. N.A.

Life Index (Years) : (Included in Limestone)

B) Mining Leases as on 31-3-2021(p) : **No. of Leases** **Lease Area**
 (Area in Hectares) 22 1719.69

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	2	-	4600	-
Public Sector	-	-	-	-
Private Sector	2	-	4600	-
Captive	-	-	-	-
Non-captive	2	-	4600	-
'A' Category	1	-	3583	-
'B' Category	1	-	1017	-
STATES				
Karnataka	1	-	1017	-
Kerala	1	-	3583	-

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	12344	14765	7534	4600	-
Value (Rs. '000)	34774	51445	27780	18730	-

E) Closing Stock : **2016-17** **2017-18** **2018-19** **2019-20** **2020-21(p)**
 Quantity(Tonnes) 2719 18492 4408 6921 609

F) Employment :

Average Number of Persons Employed per Day 244 -
Percentage Share of Employment to Total for MCDR Minerals 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	2016-17	2017-18	2018-19	2019-20(r)	2020-21(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 2020-21:

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

J) Principal Lime Shell Mines in 2020-21 :

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

K) Contribution of above Mines in 2020-21 :

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

LIMESTONE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) : (Million Tonnes)	19028	208561	227589
Life Index (Years) : (Includes Lime kankar & Lime shell)			235
B) Mining Leases as on 31-3-2021(p) : (Area in Hectares)	No. of Leases 1960		Lease Area 171079.05
C) Mines Reporting production :			

	No. of mines		Production (in Th. Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	691(3)	663(4)	359464	349170
Public Sector	23	22	10144	8641
Private Sector	668(3)	641(4)	349320	340529
Captive	404	384	341715	333166
Non-Captive	287(3)	279(4)	17749	16004
“A” Category	287	285	289621	282611
“B” Category	404(3)	378(4)	69843	66559
STATES				
Andhra Pradesh	72(1)	68(1)	42532	41148
Assam	3	3	1552	1552
Bihar	1	1	556	1000
Chhattisgarh	57	54	42699	40378
Gujarat	115(1)	83(1)	22868	22245
Himachal Pradesh	25	23	12527	11987
Jammu & Kashmir	17	18	959	1173
Jharkhand	5	5	785	324
Karnataka	64	54	34165	33189
Kerala	1	1	398	376
Madhya Pradesh	134	156(2)	47118	45978
Maharashtra	18	17	14614	13939
Meghalaya	19	19	7248	6028
Odisha	7(1)	7	5627	7187
Rajasthan	38	38	72390	74450
Tamil Nadu	82	83	24461	21144
Telangana	31	31	26161	24498
Uttar Pradesh	2	2	2804	2574
GRADES				
Cement			348520	339520
LD, SMS & BF			7928	7194
Chemical			3016	2456

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Th. Tonnes)	314669	340417	379974	359464	349170
Value (Rs. '000)	73878426	80995698	89584491	88890081	82659807

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th. Tonnes)	14615	18238	22493	24775	24356

F) Employment :					
Average Number of Persons Employed per Day				21335	18838
Percentage Share of Employment to Total for MCDR Minerals				19.16	18.96

(): 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	347422	328620

H) Exports/Imports Trend:

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Th. Tonnes)	4330	2812	3884	3760	3529
Value (Rs. crore)	499.01	410.23	494.75	465.66	4293.91
Percentage Share to the Value of Exports of All Minerals	0.25	0.21	0.23	0.25	2.18
Imports					
Quantity (Th. Tonnes)	18300	20828	24397	25639	22798
Value (Rs. crore)	2438.42	2901.64	3666.52	3742.99	3291.18
Percentage Share to the Value of Imports of All Minerals	0.30	0.28	0.28	0.33	0.42

I) Exports/Imports by Country in 2020-21 :

Exports	Bangladesh	UK	Nepal	USA	Ireland	Others
Quantity (Th. Tonnes)	3448	32	17	7	6	19
Value (Rs. crore)	4195.08	37.97	10.69	17.57	7.74	24.86
Imports	UAE	Oman	Malaysia	Vietnam Soc Rp	Philippines	Others
Quantity (Th. Tonnes)	18836	2623	636	490	67	146
Value (Rs. crore)	2361.80	450.58	273.99	117.25	12.91	74.65

J) Five Principal Limestone Mines in 2020-21 :

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.
Aditya	Vill:- Medi-ka-Amarana Dist:- Chittorgarh Rajasthan	Ultratech Cement Limited B Wing, Ahura Centre, 2nd Floor, Mahakali Caves Road, Andheri (E), Mumbai – 400 093, Maharashtra.
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:- Rawan-Jhipan Dist:- Raipur Chattisgarh	Ultratech Cement Limited B Wing, Ahura Centre, 2nd Floor Mahakali Caves Road, Andheri(E), Mumbai – 400 093, Maharashtra.

K) Contribution of above mines in 2020-21

Quantity (Th. Tonnes)	43801
Percentage share to all India production	13

MAGNESITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	66070	393047	459117
Life Index (Years)	:		Very large

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases	Lease Area
	35	2308.65

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	12	11	102554	78144
Public Sector	6	6	34956	30620
Private Sector	6	5	67598	47524
Captive	5	4	37628	33964
Non-captive	7	7	64926	44180
'A' Category	9	7	88303	74489
'B' Category	3	4	14251	3655
STATES				
Jammu & Kashmir	-	1*	-	-
Karnataka	3	3	7198	6061
Tamil Nadu	6	5	51147	47646
Uttarakhand	3	2	44209	24437

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th.Tonnes)	299	195	147	102	78
Value (Rs. '000)	749297	593650	408287	351947	292653

E) Closing Stock:	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th. Tonnes)	83	78	80	62	67

F) **Employment** :

Average Number of Persons Employed per Day	711	673
Percentage Share of Employment to Total for MCDR Minerals	0.64	0.68

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes)	265	230	248 ^D	195 ^D	180 ^D

H) Exports/Imports Trend:

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	8065	9576	6273	5453	5477
Value (Rs. crore)	13.52	18.86	20.43	14.71	17.10
Percentage Share to the Value of Exports of All Minerals	0.01	0.01	0.01	++	++
Imports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	142599	229628	464367	365053	364577
Value (Rs. crore)	308.99	526.87	1112.0	946.82	765.77
Percentage Share to the Value of	0.04	0.05	0.09	0.08	0.10

I) Exports/Imports by Country in 2020-21 :

Exports	Malaysia	Bangladesh	Singapore	China P Rp	UAE	Others
Quantity (Tonnes)	2502	731	367	293	247	1337
Value (Rs. crore)	2.25	2.44	1.93	2.95	0.34	7.19
Imports	China P Rp	UAE	Turkey	Australia	Saudi Arab	Others
Quantity (Tonnes)	221089	56124	28264	25781	10626	22693
Value (Rs. crore)	407.14	14.65	89.88	114.06	22.82	117.22

J) Five Principal Magnesite Mines in 2020-21 :

Name of Mine	Location of Mine	Address of Mine Owner
Sri Ponguru	Vill. Jagir Ammapalayam Distt. Salem Tamil Nadu	S. Sundararajan, 5/22-A, Periyakollapatti, , Kannankuruchi, Post- Gorimedu, Salem – 636 008, Tamil Nadu.
Jhiroli	Vill. Jhiroli Distt. Bageshwar Uttarakhand	Almora Magnesite Ltd., Village- Matela, P.O. Billori, Distt. Bageshwar – 263630, Uttarakhand.
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.
Chettichavadi	Vill. Chettichavadi Distt. Salem Tamil Nadu	Dalmia Bharat Sugar and Industries Limited, Dalmiapuram Tiruchirapalli, Distt. Tiruchirapalli-621 651, Tamil Nadu.
Arasu	Vill. Thathiengarpatti Distt. Salem Tamil Nadu	Tamil Nadu Magnesite Limited, 5/53, Omalur Main Road Jagirampalayam, Salem-636 302, Tamil Nadu.

K) Contribution of above Mines in 2020-21 :

Quantity (Th. Tonnes)	72
Percentage Share to All-India Production	92.2

D : Despatches.

MANGANESE ORE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	75041	428583	503624
Life Index (Years)	:		138
B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	:	No. of Leases 249	Lease Area 14340.48
C) Mines Reporting Production	:		

	No. of Mines		Production (Th. Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	137(13)	135(13)	2910	2688
Public Sector	24	32	1296	1153
Private Sector	113(13)	103(13)	1614	1535
Captive	9(1)	9(3)	340	356
Non-captive	128(12)	126(10)	2570	2332
'A' Category	35(2)	46(7)	2073	2062
'B' Category	102(11)	89(6)	837	626
STATES				
Andhra Pradesh	27	22	331	250
Karnataka	9(3)	9(3)	337	371
Madhya Pradesh	42(5)	43(7)	963	921
Maharashtra	20	26	720	645
Odisha	27(4)	28(3)	537	483
Others	12(1)	7	22	18
GRADES				
MnO ₂			23	14
Above 46% Mn			270	250
35-46% Mn			554	564
25-35% Mn			1246	946
Below 25% Mn			817	914

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th. Tonnes)	2395	2600	2832	2910	2688
Value (Rs. '000)	16248429	19907474	21640165	18849100	17942596

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Th. Tonnes)		1218	1951	2884	6134	2708
F) Employment	:					
Average Number of Persons Employed per Day				11775	10947	
Percentage Share of Employment to Total for MCDR Mineral				10.58	11.02	

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

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Th. Tonnes)	3334	2868	2702	2886	2616

H) Exports/Imports Trend:

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Th. Tonnes)	0.2	44	56	58	82
Value (Rs. crore)	1.24	50.88	13.81	25.46	97.49
Percentage Share to the Value of Exports of All Minerals	++	0.03	0.01	0.01	0.05
Imports					
Quantity (Th. Tonnes)	1908	3628	2784	4317	4059
Value (Rs. crore)	2402.81	5063.40	4848.45	4128.21	5524.21
Percentage Share to the Value of Imports of All Minerals	0.30	0.49	0.37	0.36	0.70

I) Exports/Imports by Country in 2020-21 :

Exports	China P Rp	Indonesia	UAE	Bhutan	Bangladesh	Others
Quantity (Tonnes)	47714	22000	10050	2544	23	32
Value (Rs. crore)	75.53	6.09	11.34	4.43	0.06	0.04
Imports	S. Africa	Gabon	Australia	Singapore	UAE	Others
Quantity (Th. Tonnes)	1755	680	594	275	272	483
Value (Rs. crore)	1989.44	1423.19	830.17	384.81	276.88	619.72

J) Five Principal Manganese Ore Mines in 2020-21 :

Name of Mine	Location of Mine	Address of Mine Owner
Balaghat	Vill. Bharweli Distt. Balaghat Madhya Pradesh	MOIL Ltd., MOIL Bhavan, 1A – Katol Road, Chhaoni, Nagpur – 440013, Maharashtra.
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. Sitasangi 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 2020-21 :

Quantity (Th. Tonnes)	1073
Percentage Share to All-India Production	40

MARL

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	68145	31053	99198
Life Index (Years)	:		47
B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	:	No. of Leases 5	Lease Area 857.29
C) Mines Reporting Production	:		

	No. of Mines		Production (Th. Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	(8)	(9)	2149	2202
Public Sector	-	-	-	-
Private Sector	(8)	(9)	2149	2202
Captive	(7)	(8)	2109	2179
Non captive	(1)	(1)	40	23
'A' Category	(8)	(9)	2149	2202
'B' Category	-	-	-	-
STATES				
Gujarat	(5)	(5)	1646	1286
Tamil Nadu	(3)	(4)	503	916

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Th. Tonnes)	2204	1970	1890	2149	2202
Value (Rs. '000)	317886	331289	349420	412463	379778

E) Closing Stock:	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Th. Tonnes)	1321	1226	1042	881	600

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	2016-17	2017-18	2018-19	2019-20(r)	2020-21(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 2020-21:

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

J) Five Principal Marl Mines in 2020-21:

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	The Ramco Cements Ltd. 3 rd floor, Auras Corporate centre 98-A, Dr. Radhakrishanan 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.
Sendurai *	Village - Sendurai District - Ariyalur Tamil Nadu	Chettinad Cement Corporarion Ltd. 5 th floor Rani Seethai Hall Building 603, Anna Salai, Chennai - 600 006.
Arungal *	Village - Sendurai District - Ariyalur Tamil Nadu	Chettinad Cement Corporarion Ltd. 5 th floor Rani Seethai Hall Building 603, Anna Salai, Chennai - 600 006.

K) Contribution of above mines in 2020-21

Quantity (Th. Tonnes) 2062
Percentage share to all India production 94

* Associated with limestone.

MOULDING SAND

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	N.E.	N.E.	N.E.
Life Index (Years)			N.E.

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases	Lease Area
	5	28.94

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	3	4	12905	11737
Public Sector	-	-	-	-
Private Sector	3	4	12905	11737
Captive	-	-	-	-
Non-Captive	3	4	12905	11737
'A' Category	-	-	-	-
'B' Category	3	4	12905	11737
STATES				
Chhattisgarh	3	4	12905	11737

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	27685	7100	14805	12905	11737
Value (Rs. '000)	6623	1804	4145	3766	3419

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Tonnes)		6241	261	66	2293	5697

F) Employment :

Average Number of Persons Employed per Day	11	24
Percentage Share of Employment to Total for MCDR Minerals	0.01	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	2016-17	2017-18	2018-19	2019-20(r)	2020-21(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 2020-21:

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

J) Moulding Sand Mines in 2020-21:

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.
Bankal	Vill. Bankal, Distt. Rajnandgaon, Chhattisgarh.	Smt. Archana Das, 44, Vardhman Nagar, Jain School Road, Rajnandgaon – 491 441, Chhattisgarh.

K) Contribution of above mines in 2020-21

Quantity (Tonnes) 11737
Percentage share to all India production 100

PERLITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	-	2406	2406

Life Index (Years) : N.E.

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases	Lease Area
	1	144.88

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	-	-	-	-
Public Sector	-	-	-	-
Private Sector	-	-	-	-
Captive	-	-	-	-
Non-captive	-	-	-	-
'A' Category	-	-	-	-
'B' Category	-	-	-	-
STATE				
Gujarat	-	-	-	-

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(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	2016-17	2017-18	2018-19	2019-20(r)	2020-21(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 2020-21:

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

J) Perlite Mines in 2020-21: Nil

K) Contribution of above mine in 2020-21:

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

PHOSPHORITE/ROCK PHOSPHATE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	30876	280377	311253
Life Index (Years):			82

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases 8	Lease Area 1694.01
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C) **Mines Reporting Production** :

	No. of Mines		Production (Th. Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	6	6	1400	1456
Public Sector	5	5	1300	1358
Private Sector	1	1	100	98
Captive	-	-	-	-
Non Captive	6	6	1400	1456
'A' Category	4	4	1400	1456
'B' Category	2	2	-	-
STATES				
Madhya Pradesh	5	5	100	98
Rajasthan	1	1	1300	1358
GRADES				
Above 30% P ₂ O ₅			133	179
Above 25% to 30% P ₂ O ₅			677	562
Above 20% to 25% P ₂ O ₅			4	-
Upto 20% P ₂ O ₅			586	715

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th. Tonnes)	1124	1516	1421	1400	1456
Value (Rs. '000)	2996711	3668267	3883571	4731313	5441988

E) Closing Stock	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Th. Tonnes)	2490	2735	2347	2300	2231

F) Employment	2019-20	2020-21(p)
Average Number of Persons Employed per Day	961	969
Percentage Share of Employment to Total for MCDR Minerals	0.86	0.98

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^(@) 9290^(@) 9100^(@)

H) Exports/Imports Trend :

Exports (Rock Phosphate)	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	5915	395	1652	257	825
Value (Rs. crore)	0.86	0.06	4.68	0.20	0.56
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports (Rock Phosphate)	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Th. Tonnes)	7511	7703	7519	7655	7781
Value (Rs. crore)	4951.31	4545.70	5637.92	5420.60	5370.91
Percentage Share to the Value of Imports of All Minerals	0.61	0.44	0.43	0.47	0.68

I) Exports/Imports by Country in 2020-21 :

Exports (Rock Phosphate)	Malaysia	Bangladesh	USA	Nepal	Bhutan	Others
Quantity (Tonnes)	274	255	102	89	72	33
Value (Rs. crore)	0.20	0.02	0.19	0.06	0.05	0.04
Imports (Rock Phosphate)	Jordan	Morocco	Egypt A Rp	Togo	UAE	Others
Quantity (Th. Tonnes)	3016	1965	1725	784	237	54
Value (Rs. crore)	2131.67	1729.06	804.27	546.68	127.56	31.67

J) Principal Phosphorite Mines in 2020-21 :

Name of Mine	Location of Mine	Address of Mine Owner
Jhamarkotra	Vill. Jhamarkotra Distt. Udaipur Rajasthan	Rajasthan State Mines & Minerals, C – 89-90, Janpath, Lal Kothi Scheme, Jaipur – 302015, Rajasthan.
Luhani	Vill. Luhani Distt. Chhatarpur Madhya Pradesh.	Khajuraho Stones(India) Pvt. Ltd., Sagar Road Dhadari, Chhatarpur – 471001 Madhya Pradesh.

K) Contribution of above Mines in 2020-21

Quantity (Th. Tonnes) 1456
Percentage Share to All-India Production 100

^(@): Apparent consumption.

PYRITES

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Million Tonnes) :	-	1674	1674
Life Index (Years) :			N.E.

B) Mining Leases as on 31-3-2021(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)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	-	-	-	-
Public Sector	-	-	-	-
Private Sector	-	-	-	-
Captive	-	-	-	-
Non-Captive	-	-	-	-
'A' Category	-	-	-	-
'B' Category	-	-	-	-
STATE				
Bihar	-	-	-	-

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(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	2016-17	2017-18	2018-19	2019-20(r)	2020-21(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 2020-21 :

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

J) Pyrites Mines in 2020-21: Nil

K) Contribution of above Mine in 2020-21:

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

RUBY

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (kg)	-	5349	5349

Life Index (Years) : N.E.

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases	Lease Area
	1	27.66

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	----- No Production reported -----			
Public Sector	- do -			
Private Sector	- do -			
Captive	- do -			
Non-Captive	- do -			
'A' Category	- do -			
'B' Category	- do -			
STATE				
Odisha	- do -			

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (kg)	-	-	-	-	-
Value (Rs. '000)	-	-	-	-	-

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(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)	2016-17	2017-18	2018-19	2019-20(r)	2019-20(p)
Quantity (tonnes)	++	4	13	10	--
Value (Rs. crore)	38.99	58.53	72.27	17.27	--
Percentage Share to the Value of Exports of All Minerals	0.02	0.03	0.03	++	--
Imports (Ruby & Sapphire Uncut)					
Quantity (tonnes)	11	30	31	54	--
Value (Rs. crore)	1166.65	2478.59	1595.27	73.37	--
Percentage Share to the Value of Imports of All Minerals	0.14	0.24	0.12	++	--

I) Exports/Imports by Country in 2020-21 :

Exports(Ruby & Sapphire Uncut)	-
Quantity (tonnes)	-
Value (Rs. crore)	-
Imports(Ruby & Sapphire Uncut)	-
Quantity (tonnes)	-
Value (Rs. crore)	-

J) Ruby Mines in 2020-21 : Nil

K) Contribution of above Mine in 2020-21:

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

SALT (Rock)

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. tonnes)	3860	8920	12780

Life Index (Years) : Very Large

B) Mining Leases as on 31-3-2021(p): (Area in Hectares)	No. of Leases	Lease Area
	1	8.12

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	1	1	130	486
Public Sector	1	1	130	486
Private Sector	-	-	-	-
Captive	-	-	-	-
Non-captive	1	1	130	486
'A' Category	-	-	-	-
'B' Category	1	1	130	486
STATE				
Himachal Pradesh	1	1	130	486

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (tonnes)	-	47	17	130	486
Value (Rs. '000)	-	421	160	1447	14239

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(tonnes)		-	-	2	3	113

F) Employment :

Average Number of Persons Employed per Day		24	22
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))	2016-17	2017-18	2018-19	2019-20(p)	2020-21(p)
Quantity (Th. tonnes)	7898	9970	12755	11682	8261
Value (Rs. crore)	745.08	940.27	1462.73	1368.11	1057.17
Percentage Share to the Value of Exports of All Minerals	0.37	0.47	0.67	0.72	0.54
Imports (Salts (other than common salt))					
Quantity (tonnes)	52901	67555	78712	65263	98042
Value (Rs. crore)	17.37	29.18	47.29	46.62	64.55
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2020-21:

Exports	China P Rp	Korea Rp	Japan	Qatar	Indonesia	Others
Quantity (Th. tonnes)	2840	1836	1106	639	460	1380
Value (Rs. crore)	309.20	236.31	138.98	86.12	57.68	228.90
Imports	UAE	Iran	Pakistan	UK	China P Rp	Others
Quantity (tonnes)	43728	43373	3730	1946	1606	3659
Value (Rs. crore)	19.54	20.20	1.70	2.19	1.53	19.39

J) Salt (Rock) Mines in 2020-21 :

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 2020-21:

Quantity (tonnes) 486
Percentage Share to All-India Production 100

SELENITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) :	N.A.	N.A.	N.A.
Life Index (Years) :			N.E.
B) Mining Leases as on 31-3-2021(p) :	No. of Leases	Lease Area	
(Area in Hectares)	N.A.	N.A.	

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	2	3	2154	202
Public Sector	2	3	2154	202
Private Sector	-	-	-	-
Captive	-	-	-	-
Non-captive	2	3	2154	202
'A' Category	-	-	-	-
'B' Category	2	3	2154	202
STATE				
Rajasthan	2	3	2154	202

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (tonnes)	4328	469	2906	2154	202
Value (Rs. '000)	8656	939	5812	4206	402

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (tonnes)	-	-	-	825	762

F) Employment :

Average Number of Persons Employed per Day	14	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	2016-17	2017-18	2018-19	2019-20(r)	2020-21(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 2020-21:

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

J) Selenite Mine in 2020-21 :

Name of Mine	Location of Mine	Address of Mine Owner
Thob-2	Vill. Thob Distt. Barmer Rajasthan	Rajasthan State Mines & Minerals Ltd., C-89-90, Janpath, Lal Kothi Scheme, Jaipur – 302 015, Rajasthan.

K) Contribution of above Mines in 2020-21 :

Quantity (tonnes) 202
Percentage Share to All-India Production 100

SILICEOUS EARTH

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. tonnes)	-	-	NA

Life Index (Years) : N.E.

B) Mining Leases as on 31-3-2021(p) :	No. of Leases	Lease Area
(Area in Hectares)	39	271.57

C) **Mines Reporting Production** :

	No. of Mines		Production (tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	12	11	19367	18429
Public Sector	-	-	-	-
Private Sector	12	11	19367	18429
Captive	-	-	-	-
Non-captive	12	11	19367	18429
'A' Category	-	-	-	-
'B' Category	12	11	19367	18429
STATE				
Rajasthan	12	11	19367	18429

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (tonnes)	77270	86662	80237	19367	18429
Value (Rs. '000)	55340	53164	50205	11710	12184

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(tonnes)	72980	93014	86493	80622	79484

F) **Employment** :

Average Number of Persons Employed per Day	85	38
Percentage Share of Employment to Total for MCDR Minerals	0.08	0.04

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	2016-17	2017-18	2018-19	2019-20(r)	2020-21(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 2020-21:

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

J) Five Principal Siliceous Earth Mines in 2020-21:

Name of Mine	Location of Mine	Address of Mine Owner
Mokhab	Vill. Mokhab, Distt. Barmer, Rajasthan.	Narayan Singh Rathore, Chandan Singh Ki Dhani, Shiv Barmer –344001,Rajasthan.
Sajit (161/2013)	Vill. Sajit, Distt. Jaisalmer, Rajasthan.	Ram Swaroop Meghwal, 359, Gotan, Merta, Nagaur-341 510, Rajasthan.
Sajit (125/2014)	Vill. Sajit, Distt. Jaisalmer, Rajasthan.	Ishwar Singh Rathore, Vill. Jayani, P.O. Kathoti, Jayal, Nagaur - 341001, Rajasthan.
Sajit (162/13)	Vill. Sajit, Distt. Jaisalmer, Rajasthan.	Seema Minerals & Metals, 203, A, Mewar Industrial Area, Madri, Udaipur- 313003, Rajasthan.
Sajit (217/13)	Vill. Sajit, Distt. Jaisalmer, Rajasthan.	Ashok Kumar Khatri, Inko ki Pol, Pokaran, Pokaran, Jaisalmer – 345 021, Rajasthan.

K) Contribution of above Mines in 2020-21:

Quantity (tonnes) 17810

Percentage Share to All-India Production 97

SILLIMANITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) :	8262	64005	72267
(Th. tonnes)			
Life Index (Years) :			Very Large
B) Mining Leases as on 31-3-2021(p) :	No. of Leases		Lease Area
(Area in Hectares)	1		4.64

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	2(3)	1(2)	13221	11110
Public Sector	2	1	-	-
Private Sector	(3)	(2)	13221	11110
Captive	-	-	-	-
Non-Captive	2(3)	1(2)	13221	11110
'A' Category	1	-	-	-
'B' Category	1(3)	1(2)	13221	11110
STATES				
Maharashtra	2(3)	1(2)	13221	11110

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2019-20(p)
Quantity (tonnes)	68131	81638	69919	13221	11110
Value (Rs. '000)	535949	671690	564498	37903	26611

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (tonnes)	28555	21635	15804	10113	1479

F) Employment :

Average Number of Persons Employed per Day	36	4
Percentage Share of Employment to Total for MCDR Minerals	0.03	++

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

++: Negligible

G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (tonnes)	38100	24200	75900 ^D	56100 ^D	23400 ^D

H) Exports/Imports Trend:

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (tonnes)	14064	16193	9986	1025	4998
Value (Rs. crore)	11.47	17.18	11.19	1.50	9.44
Percentage Share to the Value of Exports of All Minerals	0.01	0.01	0.01	++	++
Imports					
Quantity (tonnes)	24	18	99	609	606
Value (Rs. crore)	0.30	++	0.24	1.08	1.16
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2020-21:

Exports	China P Rp	Japan	Malaysia	Nepal	Thailand	Others
Quantity (tonnes)	4004	378	298	235	50	33
Value (Rs. crore)	7.28	1.27	0.54	0.13	0.10	0.12
Imports	Ukraine	Hong Kong	Japan	USA	China P Rp	Others
Quantity (tonnes)	405	200	1	++	++	++
Value (Rs. crore)	0.71	0.39	0.01	0.03	++	++

J) Five Principal Sillimanite Mines in 2020-21 :

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 Taigore Marg, Civil Line, Nagpur – 440 001, Maharashtra.
Digori*	Vill. Digori Distt. Bhandara Maharashtra	Dighori Kyanite Mine, Apna Nagar, Tkiya Ward, Nagpur Road, Bhandara – 441904, Maharashtra.

K) Contribution of above Mines in 2020-21 :

Quantity (tonnes)	11110
Percentage Share to All-India Production	100

* :Associated with kyanite.D: Despatches.

SILVER*

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) :			
(Th. Tonnes) Ore	170446	398198	568644
Metal	8	22	30
Life Index (Years) :			28

B) Mining Leases as on 31-3-2021(p) :	No. of Leases	Lease Area
(Area in Hectares)	N.A.	N.A.

C) Production of Silver :

	Production (kg)	
	2019-20	2020-21(p)
INDIA	609340	705796
Public Sector	187	120
Private Sector	609153	705676
Captive	-	-
Non-Captive	-	-
'A' Category	-	-
'B' Category	-	-
STATES		
Karnataka	187	120
Rajasthan	609153	705676

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (kg)	460811	557691	679386	609340	705796
Value (Rs. '000)	18320758	21179042	25824756	25616104	42664424

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(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.

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	2016-17	2017-18	2018-19(r)	2019-20(p)	2020-21(p)
Quantity (Tonnes)	28	29	35	30	615
Value (Rs. crore)	75.65	65.91	81.84	68.01	3393.50
Percentage Share to the Value of Exports of All Metals	0.04	0.03	0.05	0.04	1.64
Imports					
Quantity (Tonnes)	3359	5879	7474	5421	1484
Value (Rs. crore)	12329.33	20724.89	26188.63	19161.79	5960.28
Percentage Share to the Value of Imports of All Metals	3.65	5.03	2.02	4.60	1.37

I) Exports/Imports By Country In 2020-21 :

Exports	UK	USA	Canada	Australia	UAE	Others
Quantity (Tonnes)	479	66	34	18	6	12
Value (Rs. crore)	2919.83	98.79	182.08	110.72	45.19	36.87
Imports	Hong Kong	UK	Russia	Australia	China P Rp	Others
Quantity (Tonnes)	630	213	140	124	86	291
Value (Rs. crore)	2525.17	857.23	559.91	481.55	388.23	1148.19

J) Producers of Silver in 2020-21 :

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 2020-21 :

Quantity (kg)	705796
Percentage Share to All-India Production	100

SULPHUR*

Items	Reserves	Remaining Resources	Total
A) Recoverable Reserves 1-4-2020(p) : (Th. Tonnes) Sulphur (Native)	-	210	210

Life Index (Years) : N. E.

B) Mining Leases as on 31-3-2021(p) : (Area in Hectares)	No. of Leases N.A.	Lease Area N.A.
---	-----------------------	--------------------

C) Production of Sulphur :

	No. of Units ^S		Production (Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	12	12	900942	737337
Public Sector	12	12	900942	737337
STATES				
Assam	4	4	5955	6447
Bihar	1	1	6843	7135
Gujarat	1	1	97107	82450
Haryana	1	1	170907	138025
Kerala	1	1	227253	142166
Maharashtra	1	1	55659	41375
Odisha	1	1	253697	209387
Uttar Pradesh	1	1	47955	54234
West Bengal	1	1	35566	56118

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	560826	825173	890400	900942	737337

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(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)
^S 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)

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

H) Exports/Imports Trend:

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	616472	573856	479651	802175	802713
Value (Rs. crore)	346.94	425.44	433.25	387.28	432.86
Percentage Share to the Value of Exports of All Minerals	0.17	0.21	0.20	0.20	0.22
Imports					
Quantity (Th. Tonnes)	1345	1206	1347	1235	1463
Value (Rs. crore)	875.14	1062.88	1521.97	823.97	1094.83
Percentage Share to the Value of Imports of All Minerals	0.11	0.10	0.12	0.07	0.14

I) Exports/Imports by Country in 2020-21:

Exports	China P Rp	Papua N Gna	Jordan	Sri Lanka	Nepal	Others
Quantity (Tonnes)	777803	11000	10000	1069	836	2005
Value (Rs. crore)	414.27	3.35	3.75	1.80	1.23	8.46
Imports	Qatar	UAE	Oman	Kuwait	Saudi Arab	Others
Quantity (Th. Tonnes)	782	228	150	93	71	139
Value (Rs. crore)	576.76	143.64	141.71	65.47	51.92	115.33

J) Sulphur Producing Units in 2020-21 : (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 2020-21 :

Quantity (Tonnes) 737337

Percentage Share to All-India Production 100

TIN CONCENTRATES

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) :			
(Tonnes) Ore	2101	83720749	83722895
Metal	974	102783	103757

Life Index (Years) Tin Ore : N.E.

B) Mining Leases as on 31-3-2021(p) :	No. of Leases	Lease Area
(Area in Hectares)	15	319.17

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	6	6	15530	16865
Public Sector	1	1	11603	13859
Private Sector	5	5	3927	3006
Captive	5	5	3927	3006
Non-captive	1	1	11603	13859
'A' Category	-	-	-	-
'B' Category	6	6	15530	16865
STATE				
Chhattisgarh	6	6	15530	16865

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (kg)	12121	16758	21212	15530	16865
Value (Rs. '000)	8735	11347	14627	10337	9413

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Kg)	6989	5136	9315	10809	8729

F) Employment :

Average Number of Persons Employed per Day	9	8
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.)	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	-	++	++	++	-
Value (Rs. crore)	-	++	0.01	++	-
Percentage Share to the Value of Exports of All Minerals	-	++	++	++	-
Imports (Tin ores & concs.)					
Quantity (Tonnes)	57	6	6	++	2
Value (Rs. crore)	5.70	++	0.13	0.02	0.09
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports / Imports by Country in 2020-21 :

Exports	-	
Quantity (Tonnes)	-	
Value (Rs. crore)	-	
Imports	Nigeria	Korea Rp
Quantity (Tonnes)	2	++
Value (Rs. crore)	0.08	0.01

J) Five Principal Tin Concentrate Mine in 2020-21 :

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

K) Contribution of above Mine in 2020-21 :

Quantity (Kg)	13859
Percentage Share to All-India Production	82.18

TUNGSTEN CONCENTRATES

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) :			
(Th. Tonnes) Ore	-	89432	89432
Metal	-	145	145
 Life Index (Years) :			N. E.

B) Mining Leases as on 31-3-2021(p) :	No. of Leases	Lease Area
(Area in Hectares)	N.A.	N.A.

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	----- No Production reported -----			
Public Sector	- do -			
Private Sector	- do -			
Captive	- do -			
Non-Captive	- do -			
'A' Category	- do -			
'B' Category	- do -			
STATE				
Rajasthan	- do -			

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (kg)	-	-	-	-	-
Value (Rs.'000)	-	-	-	-	-

E) Closing Stock :	2016-17	2017-18	2018-19	2019-20	2020-21(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	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	8	30	34	--	--
Value (Rs. crore)	0.61	2.99	4.32	--	--
Percentage Share to the Value of Exports of All Minerals	++	++	++	--	--
Imports					
Quantity (Tonnes)	283	350	461	447	121
Value (Rs. crore)	2.96	2.36	6.45	6.92	0.91
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2020-21 :

Exports	--			
Quantity (Tonnes)	--			
Value (Rs. crore)	--			
Imports	Netherland	Japan	Belgium	Singapore
Quantity (Tonnes)	61	42	18	++
Value (Rs. crore)	0.35	0.33	0.18	0.04

J) Tungsten Concentrate Mines in 2020-21 : Nil

K) Contribution of above Mine in 2020-21 :

Quantity (kg) -

Percentage Share to All-India Production -

VERMICULITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	1591	765	2356

Life Index (Years) : 405

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases 56	Lease Area 892.75
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C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	5(1)	3	2774	1260
Public Sector	1	1	584	510
Private Sector	4(1)	2	2190	750
Captive	-	1	-	-
Non-captive	5(1)	2	2774	1260
'A' Category	-	-	-	-
'B' Category	5(1)	3	2774	1260
STATES				
Andhra Pradesh	4(1)	1	2190	750
Karnataka	-	1*	-	-
Tamil Nadu	1	1	584	510

D) **Production Trend** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	9042	6054	2992	2774	1260
Value (Rs. '000)	8162	7075	3709	3347	2157

E) **Closing Stock** :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity(Tonnes)	27570	26915	25693	16786	7650

F) **Employment** :

Average Number of Persons Employed per Day	61	35
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Percentage Share of Employment to Total for MCDR Minerals	0.05	0.04
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G) Domestic Consumption Trend:	2015-16	2016-17	2017-18	2018-19(r)	2019-20(p)
Quantity (Tonnes)	1600	6338 ^(@)	5923 ^(@)	4410 ^(@)	11463 ^(@)

H) Exports/Imports Trend:

	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Exports					
Quantity (Tonnes)	756	453	583	634	853
Value (Rs. crore)	0.83	0.51	0.73	0.79	1.16
Percentage Share to the Value of Exports of All Minerals	++	++	++	++	++
Imports					
Quantity (Tonnes)	551	321	611	416	696
Value (Rs. crore)	1.44	0.74	1.62	1.10	1.72
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2020-21 :

Exports	Japan	UAE	Norway	Saudi Arab	Jordan	Others
Quantity (Tonnes)	300	250	120	88	56	39
Value (Rs. crore)	0.42	0.30	0.13	0.17	0.04	0.10
Imports	Kenya	S. Africa	Brazil	Turkey	Mozambique	Others
Quantity (Tonnes)	440	120	84	27	20	5
Value (Rs. crore)	0.96	0.36	0.22	0.02	0.06	0.10

K) Five Principal Vermiculite Mines in 2020-21:

Name of Mine	Location of Mine	Address of Mine Owner
Muruga	Vill. Rajupalem Distt. Nellore Andhra Pradesh	T Meenatchi Sundaram Plot No.2,Industrial Estate, Gudur (P.O), (Mandal), SPSR Nellore – 524 101, (A.P).
Sevathur	Vill. Sevathur Distt. Vellore Tamil Nadu	Tamil Nadu Minerals Ltd., 31, Kamarajar, Salaitwad House,Chepauk, Chennai – 600005, Tamil Nadu.

L) Contribution of above Mines in 2020-21 :

Quantity (Tonnes)	1260
Percentage Share to All-India Production :	100

(@) : Apparent consumption

WOLLASTONITE

Items	Reserves	Remaining Resources	Total
A) Total Resources 1-4-2020(p) (Th. Tonnes)	2681	22427	25108

Life Index (Years) : 138

B) Mining Leases as on 31-3-2021(p) (Area in Hectares)	No. of Leases	Lease Area
	15	302.72

C) Mines Reporting Production :

	No. of Mines		Production (Tonnes)	
	2019-20	2020-21(p)	2019-20	2020-21(p)
INDIA	4	3	124757	103902
Public Sector	-	-	-	-
Private Sector	4	3	124757	103902
Captive	-	-	-	-
Non-captive	4	3	124757	103902
'A' Category	2	1	121742	103590
'B' Category	2	2	3015	312
STATE				
Rajasthan	4	3	124757	103902

D) Production Trend :

	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)	166186	153049	184063	124757	103902
Value (Rs. '000)	158823	126025	172013	139695	96552

E) Closing Stock	:	2016-17	2017-18	2018-19	2019-20	2020-21(p)
Quantity (Tonnes)		17782	25518	82594	103115	118311

F) Employment :

Average Number of Persons Employed per Day	244	215
Percentage Share of Employment to Total for MCDR Minerals	0.22	0.22

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	104 ^D

H) Exports/Imports Trend:

Exports	2016-17	2017-18	2018-19	2019-20(r)	2020-21(p)
Quantity (Tonnes)	16700	12479	13786	14582	13716
Value (Rs. crore)	29.35	22.49	27.91	29.86	31.18
Percentage Share to the Value of Exports of All Minerals	0.01	0.01	0.01	0.02	0.02
Imports					
Quantity (Tonnes)	3483	11461	26483	22616	24049
Value (Rs. crore)	7.31	15.64	33.16	29.48	37.04
Percentage Share to the Value of Imports of All Minerals	++	++	++	++	++

I) Exports/Imports by Country in 2020-21 :

Exports	Belgium	Hungary	Germany	Japan	France	Others
Quantity (Tonnes)	7409	2200	1458	1406	300	943
Value (Rs. crore)	17.65	4.30	3.37	2.70	0.81	2.35
Imports	China P Rp	USA	Mexico	Canada	Vietnam Soc Rep	Others
Quantity (Tonnes)	23739	150	75	40	24	21
Value (Rs. crore)	34.70	0.90	0.59	0.29	0.03	0.53

J) Wollastonite Mines in 2020-21 :

Name Of Mine	Location Of Mine	Address Of Mine Owner
Kheratarla	Vill. Khera Distt. Udaipur Rajasthan	Wolkem Industries Ltd., P.B. 21, E-101, Mewar Industrial Area, Madri, Udaipur – 313003, Rajasthan.
Kotra (22/01)	Vill. Kotra Distt. Ajmer Rajasthan	Renu Atre, C-378, Pardhan Marg, Malviya Nagar, Jaipur – 302 017, Rajasthan.

K) Contribution of above Mines in 2020-21 :

Quantity (Tonnes)	103902
Percentage Share to All-India Production :	100

D : Despatches.