



# STATISTICAL PROFILE OF MINERALS

2021-22



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

**Statistical Profiles  
of  
Minerals**

**2021-22**

**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 2021-22 is the 38<sup>th</sup> issue of the series 'Statistical Profiles of Minerals'. It provides a bird's eye view of different aspects of all the minerals (except atomic, fuel and minor minerals) produced in the country, which fall under the purview of Mineral Conservation and Development Rules, 2017 (MCDR 2017).

The publication contains information on various parameters i.e. mineral reserves and its life index, number of mining leases, lease area, number of mines, production by captive and non-captive mines, public & private sector, A & B category, state, grade etc. Data on employment, stock, principal mines 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 2020-21 are based on the production reported by the mine owners through Annual/Monthly returns under the provisions of the MCDR 2017 while those for 2021-22 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 2017-18 to 2021-22 and country-wise information is given for the year 2021-22 are based on the data of the source agency i.e. Director General, Commercial Intelligence & Statistics, Kolkata. The export/import data includes re-exports/re-imports for the years 2017-18 to 2021-22. Other than top five countries have been grouped under country-item 'others'.

## APATITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> (Th. tonnes)	29	21081	21110

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

B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b>	<b>Lease Area</b>
	1	13.47

C) **Mines Reporting Production** :

	No. of Mines		Production (tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	-	-	-	-
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	-	-	-	-
<b>Captive</b>				
<b>Non-captive</b>	-	-	-	-
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	-	-	-	-
<b>STATES</b>				
Andhra Pradesh	-	-	-	-
West Bengal	-	-	-	-

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (tonnes)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) <b>Closing Stock</b>	<b>: 2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(Th. tonnes)	7	7	6	6	6

F) **Employment** :

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

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

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Th. tonnes) (Apatite & Rock Phosphate)	9236 <sup>(@)</sup>	9290 <sup>(@)</sup>	9100 <sup>(@)</sup>	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity (tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2021-22 :**

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

**J) Apatite Mines in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
-----Nil-----		

**K) Contribution of above Mines in 2021-22:**

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

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(@) : Apparent Consumption

## ASBESTOS

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

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

B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	No. of Leases	Lease Area
	-	-

C) **Mines Reporting Production** :

	No. of Mines		Production (tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	-	-	-	-
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	-	-	-	-
<b>Captive</b>	-	-	-	-
<b>Non-captive</b>	-	-	-	-
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	-	-	-	-
<b>STATES</b>				
Andhra Pradesh	-	-	-	-
Rajasthan*	-	-	-	-
<b>GRADES</b>				
Chrysotile	-	-	-	-

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (tonnes)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) **Closing Stock** : 2017-18 2018-19 2019-20 2020-21 2021-22(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 : 2017-18 2018-19(r) 2019-20(p) 2020-21 2021-22**

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

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (tonnes)</b>	132	1112	1001	299	1906
<b>Value (Rs. crore)</b>	0.09	3.39	3.10	1.20	6.8
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
<b>Imports</b>					
<b>Quantity (tonnes)</b>	357182	364105	361163	308506	437511
<b>Value (Rs. crore)</b>	1160.37	1225.31	1243.2	1185.11	1663.14
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.11	0.09	0.11	0.15	0.11

**I) Exports/Imports by Country in 2021-22:**

<b>Exports</b>	<b>Bangladesh</b>	<b>Nepal</b>	<b>Uganda</b>	<b>Kenya</b>	<b>Cote D' Ivoire</b>	
<b>Quantity (tonnes)</b>	1906	++	++	--	--	
<b>Value (Rs. crore)</b>	6.8	++	++	--	--	
<b>Imports</b>	<b>Russia</b>	<b>Brazil</b>	<b>Kazakhstan</b>	<b>Hungary</b>	<b>Poland</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	228529	151277	25168	16515	10302	5720
<b>Value (Rs. crore)</b>	895.28	540.85	93.52	72.67	33.35	27.48

**J) Principal Asbestos Mines in 2021-22:**

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

**K) Contribution of above Mines in 2021-22:**

**Quantity (tonnes)** ----

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

## BAUXITE

<b>Items</b>	<b>Reserves</b>	<b>Remaining Resources</b>	<b>Total</b>
A) <b>Total Resources 1-4-2020(p)</b> (Th. tonnes)	592938	2886682	3479620
<b>Life Index (Years)</b>	:		121
B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b> 335		<b>Lease Area</b> 23817.25
C) <b>Mines Reporting Production</b>	:		

	No. of Mines		Production (Th. tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>134(7)</b>	<b>126(9)</b>	<b>20381</b>	<b>22494</b>
<b>Public Sector</b>	20	19	10676	11066
<b>Private Sector</b>	114(7)	107(9)	9705	11428
<b>Captive</b>	43	46	14818	16258
<b>Non-captive</b>	91(7)	80(9)	5563	6236
<b>'A' Category</b>	36	36	17949	19637
<b>'B' Category</b>	98(7)	90(9)	2432	2857
<b>STATES</b>				
Chhattisgarh	14	13	716	968
Gujarat	63	58	1498	2018
Jharkhand	19	19	1497	1809
Karnataka	-	-	-	-
Madhya Pradesh	21(7)	18(9)	632	609
Maharashtra	12	12	471	640
Odisha	5	6	15566	16450
Tamil Nadu	-	-	-	-
<b>For use in alumina and aluminium metal extraction<sup>s</sup></b>				
Above 60% Al <sub>2</sub> O <sub>3</sub>			-	-
55 – 60% Al <sub>2</sub> O <sub>3</sub>				-
50 – 55% Al <sub>2</sub> O <sub>3</sub>			-	-
45 – 50% Al <sub>2</sub> O <sub>3</sub>			877	1378
40 – 45% Al <sub>2</sub> O <sub>3</sub>			17057	18042
Below 40% Al <sub>2</sub> O <sub>3</sub>			150	75
<b>For use other than alumina and aluminium metal extraction<sup>s</sup></b>				
Cement			1942	2496
Abrasive			90	86
Refractory			131	264
Chemical			134	153

<b>D) Production Trend</b>					
	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
<b>Quantity (Th. tonnes)</b>	22786	23690	21825	20381	22494
<b>Value (Rs. '000)</b>	15784174	17836033	16299333	16793448	24767048

<b>E) Closing Stock</b>					
Quantity (Th. tonnes)	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-21(p)</b>
	18072	19927	15289	17116	17285

<b>F) Employment</b>					
<b>Average Number of Persons Employed per Day</b>			5041	5015	
<b>Percentage Share of Employment to Total for MCDR Minerals</b>			4.61	4.59	

( ) : Figures in parentheses indicate additional mines associated with kaolin, laterite, & ochre.

§ : Substituted by G.S.R. 330(E), dated 10.4.2003

<b>G) Domestic Consumption Trend</b>	<b>:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Th. tonnes)		20631	22171	24025	N.A.	N.A.

**H) Exports/Imports Trend :**

Exports	2017-18	2018-19	2019-20	2020-21(r)	2021-22(p)
<b>Quantity</b> (Th. tonnes)	1529	1510	524	241	378
<b>Value</b> (Rs. crore)	270.50	304.53	142.13	95.14	100.53
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.14	0.14	0.07	0.05	0.04
Imports					
<b>Quantity</b> (Th. tonnes)	1461	2255	2247	3034	3009
<b>Value</b> (Rs. crore)	772.71	1336.41	1081.78	1370.95	1896.32
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.08	0.10	0.09	0.17	0.12

**I) Exports/Imports by Country in 2021-22:**

Exports	Nepal	Oman	Kuwait	Qatar	Slovenia	Others
<b>Quantity</b> (Th. tonnes)	200	59	51	47	15	6
<b>Value</b> (Rs. crore)	39.71	9.68	10.07	6.26	25.03	9.78
Imports	Guinea	China P Rp	Guyana	Hong Kong	Bolivia	Others
<b>Quantity</b> (Th. tonnes)	2858	79	35	14	10	13
<b>Value</b> (Rs. crore)	1518.51	251.39	51.35	35.24	15.43	24.40

**J) Five Principal Bauxite Mines in 2021-22:**

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	M/s. 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.
Sorna	Vill. Sorna Distt. Kheda Gujarat	Mr. Sanjaykumar Trikamlal Shah, 2, Arbudanagar-1 Ratnakar Mata Road, Kapadvanj, Kheda-386720, Gujarat.

**K) Contribution of above Mines in 2021-22:**

<b>Quantity</b> (Th. tonnes)	16449
<b>Percentage Share to All-India Production:</b>	73

## CHROMITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> (All Grades) (Th. tonnes)	78535	253150	331685
<b>Life Index (Years)</b>	:		65
B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b> 19		<b>Lease Area</b> 3293.07

C) **Mines Reporting Production** :

	No. of Mines		Production (Th. tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>24</b>	<b>20</b>	<b>2830</b>	<b>3786</b>
<b>Public Sector</b>	08	09	1124	1164
<b>Private Sector</b>	16	11	1706	2622
<b>Captive</b>	5	5	620	630
<b>Non-captive</b>	19	15	2210	3156
<b>'A' Category</b>	22	19	2830	3786
<b>'B' Category</b>	2	1	-	-
<b>STATES</b>				
Karnataka	2	2	-	-
Odisha	22	18	2830	3786
<b>GRADES</b>				
Above 52% Cr <sub>2</sub> O <sub>3</sub>	Lumps		-	-
	Fines		615	1004
40 - 52% Cr <sub>2</sub> O <sub>3</sub>	Lumps		132	169
	Fines		1230	1495
Below 40% Cr <sub>2</sub> O <sub>3</sub>	Lumps		72	69
	Fines		748	992
Concentrates			33	57

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Th. tonnes)</b>	3481	3971	3929	2830	3786
<b>Value (Rs. '000)</b>	32037005	36850747	32134395	21862796	47298073

E) <b>Closing Stock</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (Th. tonnes)		2270	2253	2411	2764	2988

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	4289	4703
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	3.92	4.30

<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Th. tonnes)		2575	2775	2719	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Th. tonnes)</b>	39	34	34	3	3
<b>Value (Rs. crore)</b>	133.77	86.79	86.79	7.20	8.97
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.06	0.05	0.05	++	++
<b>Imports</b>					
<b>Quantity (Th. tonnes)</b>	161	163	125	156	246
<b>Value (Rs. crore)</b>	298.19	315.44	206.50	225.77	423.25
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.03	0.03	0.02	0.03	0.03

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports</b>	<b>China P Rp</b>	<b>U S A</b>	<b>Saudi Arab</b>	<b>Nepal</b>	<b>Oman</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	2614	7	4	++	++	++
<b>Value (Rs. crore)</b>	7.68	1.26	0.02	++	++	++
<b>Imports</b>	<b>S. Africa</b>	<b>Switzerland</b>	<b>Singapore</b>	<b>Austria</b>	<b>Turkey</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	173586	45991	7684	6155	4234	8060
<b>Value (Rs. crore)</b>	319.28	60.67	9.69	10.83	9.17	13.6

**J) Five Principal Chromite Mines in 2021-22 :**

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

**K) Contribution of above Chromite Mines in 2021-22:**

<b>Quantity (Th. tonnes)</b>	3269
<b>Percentage Share to All-India Production</b>	86

## COPPER ORE & CONCENTRATES

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2020(p)</b> :			
(Th. tonnes) a) Ore	163891	1496979	1660870
b) Metal	2162	10035	12197
<b>Life Index (Years) (Ore)</b> :			234

<b>B) Mining Leases as on 31-3-2022(p)</b> :	<b>No. of Leases</b>	<b>Lease Area</b>
Ore (Area in Hectares)	9	3916.85

**C) Mines Reporting Production :**

	No. of Mines		Production(Th.tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>India</b>	5	5		
Ore			3273	3569
Concentrates			109	114
<b>Public Sector</b>	5	5		
Ore			3273	3569
Concentrates			109	114
<b>Captive</b>	5	5		
Ore			3273	3569
Concentrates			109	114
<b>'A' Category</b>	5	5		
Ore			3273	3569
Concentrates			109	114

STATES	No. of Mines		Production (Th. tonnes)			
	2020-21	2021-22(p)	2020-21		2021-22(p)	
			Qty	Cu%	Qty	Cu%
<b>Jharkhand</b>	2	2				
Ore			42	0.65	26	0.81
Concentrates			1	23.37	-	-
<b>Madhya Pradesh</b>	1	1				
Ore			2239	0.76	2442	0.74
Concentrates			65	27.25	65	28.03
<b>Rajasthan</b>	2	2				
Ore			992	0.83	1101	0.85
Concentrates			43	16.83	49	16.69

**D) Production Trend :**

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Th. tonnes)</b>					
Ore	3678	4135	3952	3273	3569
Concentrates	142	144	125	109	114
<b>Value (Rs.'000)</b>					
Concentrates	7706611	8846151	8448405	8533354	10951112

<b>E) Closing Stock</b> :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (Th. tonnes) Ore	55	190	264	121	92
Concentrates	40	38	64	23	01

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	2829	2931
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	2.59	2.68

<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

Exports (Ores & Concentrates)	2017-18	2018-19	2019-20	2020-21(r)	2021-22(p)
<b>Quantity</b> (tonnes)	61005	181642	212659	82463	34827
<b>Value</b> (Rs. crore)	380.55	1662.76	2045.09	768.94	396.45
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.19	0.76	1.08	0.39	0.15
Imports (Ores & Concentrates)					
<b>Quantity</b> (tonnes)	1488163	823938	821555	415136	1018934
<b>Value</b> (Rs. crore)	27834.48	12146.2	8667.52	5907.16	22381.43
<b>Percentage Share to the Value of Imports of All Minerals</b>	2.71	0.93	0.75	0.75	1.44

**I) Exports/Imports by Country in 2021-22:**

Exports	Philippines	China P Rp	Malaysia	Canada	Korea Rp	
<b>Quantity</b> (tonnes)	22202	9815	2810	++	--	
<b>Value</b> (Rs. crore)	0.10	0.04	0.02	++	--	
Imports	Chile	Indonesia	Peru	Australia	Panama Rp	Others
<b>Quantity</b> (tonnes)	375188	205140	120062	111474	91636	115434
<b>Value</b> (Rs. crore)	6770.48	4608.39	2567.60	4188.06	1769.41	2477.49

**J) Copper Ore Mines in 2021-22:**

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	
Kendadih	Vill. Terenga Distt. Singhbhum (East) Jharkhand	

**K) Contribution of above Mines in 2021-22:**

<b>Quantity</b> (Th. tonnes) (Copper Ore)	3569
<b>Percentage Share to All-India Production</b>	100

## DIAMOND

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> (Th. carats)	848	30876	31724
<b>Life Index (Years)</b>			110

B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b>	<b>Lease Area</b>
	2	275.96

C) **Mines Reporting Production** :

	No. of Mines		Production (carats)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>				
<b>Public Sector</b>	2	3	13917	266
<b>Private Sector</b>	-	-	-	-
<b>Captive</b>	-	-	-	-
<b>Non-captive</b>	2	3	13917	266
<b>'A' Category</b>	1	2	13673	-
<b>'B' Category</b>	1	1	244	266
<b>STATE</b>				
Madhya Pradesh	2	3	13917	266

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (carats)</b>	39699	38437	28816	13917	266
<b>Value (Rs. '000)</b>	374110	539062	352472	147696	18051

E) <b>Closing Stock</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(carats)		25637	39163	33938	25329	78

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	142	677
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.13	0.62



<b>G) Domestic Consumption Trend</b>	<b>:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (carats)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

Exports (Mostly Cut)	2017-18	2018-19	2019-20	2020-21(r)	2021-22(p)
<b>Quantity (Th. carats)</b>	**	**	**	**	**
<b>Value (Rs. crore)</b>	161930.97	175732.9	139974.23	125734.58	189218.87
<b>Percentage Share to the Value of Exports of All Minerals</b>	81.18	80.18	73.79	63.94	73.38
Imports (Mostly Cut)					
<b>Quantity (Th. carats)</b>	**	**	**	**	**
<b>Value (Rs. crore)</b>	189912.97	177377.23	147951.60	127725.13	204272.99
<b>Percentage Share to the Value of Imports of All Minerals</b>	18.46	13.65	12.85	16.14	13.17

**I) Exports/Imports by Country in 2021-22:**

Exports (Mostly Cut)	USA	Hong Kong	Belgium	UAE	Israel	Others
<b>Quantity (Th. carats)</b>	**	**	**	**	**	**
<b>Value (Rs. crore)</b>	73002.17	48023.54	19523.00	14719.16	10647.04	23303.97
Imports (Mostly Cut)	UAE	Belgium	USA	Hong Kong	Israel	Others
<b>Quantity (Th. carats)</b>	**	**	**	**	**	**
<b>Value (Rs. crore)</b>	70680.52	42555.81	42003.86	13269.67	9671.77	26091.35

**J) Diamond Mines in 2021-22 :**

Name of Mine	Location of Mine	Address of Mine Owner
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 2021-22 :**

<b>Quantity (carats)</b>	266
<b>Percentage Share to All-India Production</b>	100

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

## EMERALD

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

B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b>	<b>Lease Area</b>
	1	46.32

C) **Mines Reporting Production** :

	No. of Mines		Production (kg)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	-	-	-	-
<b>Private Sector</b>	-	-	-	-
<b>Non-Captive</b>	-	-	-	-
<b>'B' Category</b>	-	-	-	-
<b>STATES</b>				
Rajasthan	-	-	-	-

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) <b>Closing Stock</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(kg)		20	20	20	20	20

F) **Employment** :

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

<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Kgs.)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

Exports (Uncut/Cut)	2017-18	2018-19	2019-20	2020-21(r)	2021-22(p)
<b>Quantity</b>	**	**	**	**	**
<b>Value (Rs. crore)</b>	1775.65	2302.62	1738.79	531.66	1080.89
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.89	1.05	0.92	0.27	0.42
Imports (Uncut/Cut)					
<b>Quantity</b>	**	**	**	**	**
<b>Value (Rs. crore)</b>	7793.47	3659.23	2440.35	799.78	1656.09
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.76	0.36	0.21	0.10	0.11

**I) Exports/Imports by Country in 2021-22 :**

Exports	USA	Hong Kong	Thailand	France	Italy	Others
<b>Quantity</b>	**	**	**	**	**	**
<b>Value (Rs. crore)</b>	330.67	291.57	124.98	58.86	54.39	220.41
Imports	Zambia	Hong Kong	UAE	USA	Singapore	Others
<b>Quantity</b>	**	**	**	**	**	**
<b>Value (Rs. crore)</b>	713.10	303.46	229.56	137.57	59.24	213.16

**J) Emerald Mine in 2021-22 :** Nil

**K) Contribution of above Mine in 2021-22 :**

**Quantity (kg)** ----

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

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\*\* Quantity in different units.

## FLINT STONE

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

B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b>	<b>Lease Area</b>
	-	-

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	-	-	-	-
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	-	-	-	-
<b>Captive</b>	-	-	-	-
<b>Non-captive</b>	-	-	-	-
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	-	-	-	-
<b>STATES</b>				
Jharkhand	-	-	-	-

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) <b>Closing Stock</b>	:	2017-18	2018-19	2019-20	2020-21	2021-22(p)
Quantity (Tonnes)		-	-	-	-	-

F) **Employment** :

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

<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports (Flint Stone)</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	824	790	1195	406	570
<b>Value (Rs. crore)</b>	0.77	1.04	0.80	0.30	0.58
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
<b>Imports (Flint Stone)</b>					
<b>Quantity (Tonnes)</b>	4431	6887	6279	9209	8611
<b>Value (Rs. crore)</b>	5.62	7.60	6.24	8.52	8.32
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports (Flint Stone)</b>	<b>Ethiopia</b>	<b>Kenya</b>	<b>Saudi Arab</b>	<b>UAE</b>	<b>Kuwait</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	233	225	50	28	20	14
<b>Value (Rs. crore)</b>	0.16	0.28	0.03	0.01	0.02	0.08
<b>Imports (Flint Stone)</b>	<b>Egypt A Rep</b>	<b>France</b>	<b>UK</b>	<b>China P Rp</b>	<b>Slovenia</b>	
<b>Quantity (Tonnes)</b>	6862	1387	223	139	++	
<b>Value (Rs. crore)</b>	4.93	2.68	0.62	0.09	++	

**J) Flint Stone Mines in 2021-22:**

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

**K) Contribution of above Mines in 2021-22:**

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

## FLUORITE

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

B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares) :	<b>No. of Leases</b> 10	<b>Lease Area</b> 326.24
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C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>1</b>	<b>1</b>	<b>1052</b>	<b>1237</b>
<b>Public Sector</b>	1	1	1052	1237
<b>Private Sector</b>	-	-	-	-
<b>Captive</b>	-	-	-	-
<b>Non-captive</b>	1	1	1052	1237
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	1	1	1052	1237
<b>STATES</b>	-	-	-	
Gujarat	-	-	-	
Maharashtra	1	1	1052	1237

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Tonnes)</b>	1314	1079	1315	1052	1237
<b>Value (Rs. '000)</b>	8646	8117	8844	8018	8831

E) <b>Closing Stock</b> :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (Tonnes) (Graded)	97359	97597	97749	97818	98140

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	46	42
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.04	0.04

<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)		215223 <sup>(@)</sup>	264752 <sup>(@)</sup>	324704 <sup>(@)</sup>	N.A.	N.A.

**H) Exports/Imports Trend :**

Exports (Fluorite)	2017-18	2018-19	2019-20	2020-21(r)	2021-22(p)
<b>Quantity (Tonnes)</b>	470	534	1368	474	844
<b>Value (Rs. crore)</b>	1.53	2.34	5.16	2.24	4.35
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
Imports (Fluorite)					
<b>Quantity (Tonnes)</b>	221817	265445	239589	220573	286224
<b>Value (Rs. crore)</b>	395.90	728.18	722.59	609.06	779.20
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.04	0.06	0.06	0.08	0.05

**D) Exports/Imports by Country in 2021-22 :**

Exports (Fluorite)	Indonesia	Bangladesh Pr	Saudi Arab	Brazil	Jordan	Others
<b>Quantity (Tonnes)</b>	335	274	47	44	25	119
<b>Value (Rs. crore)</b>	2.01	0.89	0.32	0.31	0.12	0.7
Imports (Fluorite)	S. Africa	Thailand	Luxembourg	Vietnam Soc Rp	Morocco	Others
<b>Quantity (Tonnes)</b>	194063	23585	12502	11659	10455	33960
<b>Value (Rs. crore)</b>	487.57	60.19	43.00	42.10	31.34	115.02

**J) Fluorite Mines in 2021-22:**

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 2021-22:**

<b>Quantity (Tonnes)</b>	1237
<b>Percentage Share to All-India Production</b>	100

(@) : Apparent Consumption

## GARNET

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2020(p)</b> (Th. Tonnes)	8590	47417	56007
<b>Life Index (Years)</b>			454
<b>B) Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b>		<b>Lease Area</b>
Abrasive	28		154.68
Gem	-		-

**C) Mines Reporting Production :**

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>Garnet (Abrasive)</b>				
<b>INDIA</b>	<b>9</b>	<b>6</b>	<b>7114</b>	<b>8182</b>
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	9	6	7114	8182
<b>Captive</b>	-	-	-	-
<b>Non-Captive</b>	9	6	7114	8182
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	9	6	7114	8182
<b>STATES</b>				
Rajasthan	7	5	7114	8182
Tamil Nadu	2	1	-	-

**D) Production Trend :**

Garnet (Abrasive)	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity ( tonnes)</b>	158277	123404	568	7114	8182
<b>Value (Rs. '000)</b>	1618903	1746757	1775	26378	29880

<b>E) Closing Stock</b>	<b>:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity Garnet (Abrasive) (Tonnes)		78008	95784	45947	3832	2682

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	66	42
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.06	0.04



G) Domestic Consumption Trend:	2017-18	2018-19	2019-20	2020-21	2021-22
Quantity (Th. Tonnes)	N.A	N.A	N.A	N.A.	N.A.

#### H) Exports/Imports Trend:

Exports (Garnet (Abrasive))	2017-18	2018-19	2019-20	2020-21(r)	2021-22(p)
Quantity (Tonnes)	157223	104343	74697	76799	81270
Value (Rs. crore)	234.66	178.39	125.45	126.56	143.37
<b>Exports (Garnet (Cut &amp; Uncut))</b>					
Quantity	**	**	**	**	**
Value (Rs. crore)	41.67	49.48	36.68	28.08	37.85
Percentage Share to the Value (Abrasive)	0.12	0.08	0.07	0.06	0.06
of Exports of All Minerals (Cut & Uncut)	0.02	0.02	0.02	0.01	0.01
<b>Imports (Garnet (Abrasive))</b>					
Quantity (Tonnes)	2256	422	391	345	140
Value (Rs. crore)	2.12	0.64	0.62	1.47	0.18
<b>Imports (Garnet (Cut &amp; Uncut))</b>					
Quantity	**	**	**	**	**
Value (Rs. crore)	33.59	16.98	18.45	9.73	18.36
Percentage Share to the Value (Abrasive)	++	++	++	++	++
of Imports of All Minerals (Cut & Uncut)	++	++	++	++	++

#### I) Exports/Imports by Country in 2021-22:

Exports (Garnet Abrasive)	UAE	USA	Malaysia	Thailand	Saudi	Others
Quantity (Tonnes)	28448	15383	5005	4116	4050	24268
Value (Rs. crore)	49.05	31.73	8.03	7.11	7.08	40.37
Exports (Garnet (Cut & Uncut))	Thailand	HongKong	USA	Japan	Armenia	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	11.26	6.94	5.87	2.43	2.09	9.26
Imports (Garnet Abrasive)	UAE		Kenya		UK	
Quantity (Tonnes)	115		25		--	
Value (Rs. crore)	0.15		0.02		--	
Imports (Garnet (Cut & Uncut))	Kenya	Thailand	HongKong	Tanzania Rp	Sri Lanka Dsr	Others
Quantity	**	**	**	**	**	**
Value (Rs. crore)	4.45	3.84	3.46	2.82	1.16	2.63

#### J) Principal Garnet Mines in 2021-22:

Name of Mine	Location of Mine	Address of Mine Owner
Kodukota	Vill. Gokulpura Distt. Bhilwara Rajasthan	AKD Gem Garnet Mines, F-203, Near Mahapragya Circle, Azad Nagar, Bhilwara – 311 001, Rajasthan.
Kochariya	Vill. Kochariya Distt. Bhilwara Rajasthan	Ummad Singh Ranawat, Vill. Basda. P.O. Gundali, Bhilwara – 311 001, Rajasthan.
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 – 302 039, Rajasthan.
Sarwar (44/01)	Vill. Sarwar Distt. Ajmer Rajasthan	Mr. Sher Mohammed, Kajiyo ka Mohalla, Sarwar, Ajmer – 305 403, Rajasthan.

#### K) Contribution of above Mines in 2021-22:

Garnet (Abrasive) Quantity (Tonnes)	8166
Percentage Share to All-India Production	99

\*\* Quantity in different units.

## GOLD

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2020(p)</b> :			
<b>Primary</b> Ore (Th. Tonnes)	23728	494506	518234
Metal (Tonnes)	93	514	607
<b>Life Index</b> (Years) (Ore) :			288
<b>B) Mining Leases as on 31-3-2022(p)</b> :	<b>No. of Leases</b>	<b>Lease Area</b>	
(Area in Hectares)	10	6934.49	

**C) Mines Reporting Production :**

	No. of Mines		Production	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>5</b>	<b>6</b>		
Ore (Th. Tonnes)			<b>438</b>	<b>491</b>
Gold Bullion (kg)			<b>1127</b>	<b>1251</b>
Primary			1127	1251
<b>Public Sector</b>	<b>3</b>	<b>4</b>		
Ore (Th. Tonnes)			435	487
Gold Bullion (kg)			1116	1239
<b>Private Sector</b>	<b>2</b>	<b>2</b>		
Ore (Th. Tonnes)			3	4
Gold Bullion (kg)			11	12
<b>Captive</b>	<b>5</b>	<b>6</b>		
Ore (Th. Tonnes)			438	491
Gold Bullion (kg)			1127	1251
<b>'A' Category</b>	<b>4</b>	<b>5</b>		
Ore (Th. Tonnes)			438	487
Gold Bullion (kg)			1127	1251
<b>'B' Category</b>	<b>1</b>	<b>1</b>		
Ore (Th. Tonnes)			-	-
Gold Bullion (kg)			-	-
<b>STATES</b>				
<b>Andhra Pradesh</b>	<b>1*</b>	<b>1</b>		
Ore (Th. Tonnes)			-	++
Gold Bullion (kg)			-	-
<b>Jharkhand</b>	<b>1</b>	<b>1</b>		
Ore (Th. Tonnes)			3	4
Gold Bullion (kg)			11	12
<b>Karnataka</b>	<b>3</b>	<b>4</b>		
Ore (Th. Tonnes)			435	487
Gold Bullion (kg)			1116	1239

**D) Production Trend :**

Quantity	2017-18	2018-19	2019-20	2020-21	2021-22(p)
Ore (Th. Tonnes)	550	567	596	438	491
Gold Bullion (kg)	1651	1672	1742	1127	1251
<b>Value (Rs. '000)</b>					
Gold Bullion	4770022	5267696	6495723	5475470	6011677

<b>E) Closing Stock</b> :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (Ore)(Th. Tonnes)	68	89	151	101	15

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	3247	3086
<b>Percentage Share of Employment to</b>	2.97	2.82
<b>Total for MCDR Minerals</b>		

\* Only labour reported, (p): Provisional

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Metal)(kg)</b>	36927	507	1730	4191	126
<b>Value (Rs. crore)</b>	9668.60	144.13	574.27	1889.57	46.4
<b>Percentage Share to the Value of Exports of All Metals</b>	5.08	0.08	0.35	0.91	0.01
<b>Imports</b>					
<b>Quantity (Metal)(kg)</b>	955336	982697	719905	651238	879010
<b>Value (Rs. crore)</b>	217072.07	229536.5	199249.50	254288.47	344092.82
<b>Percentage Share to the Value of Imports of All Metals</b>	52.71	48.04	47.81	58.38	54.89

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports</b>	<b>Hong Kong</b>	<b>UAE</b>	<b>Switzerl and</b>	<b>Guinea</b>	<b>Canada</b>	<b>Others</b>
<b>Quantity (Metal) (kg)</b>	51	44	21	5	3	2
<b>Value (Rs. crore)</b>	20.67	14.78	8.59	1.92	++	0.43
<b>Imports</b>	<b>Switzerland</b>	<b>UAE</b>	<b>Guinea</b>	<b>S. Africa</b>	<b>Peru</b>	<b>Others</b>
<b>Quantity (Metal) (kg)</b>	359825	99757	61498	57080	50490	250360
<b>Value (Rs. crore)</b>	154522.63	43489.91	24759.52	24311.62	17245.89	79763.25

**J) Gold Mines in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Hutti	Vill. Hutti Distt. Raichur Karnataka	The Hutti Gold Mines Co. Ltd., Hutti, Distt. Raichur- 584 115. Karnataka.
Uti	Vill. Uti 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.

**K) Contribution of above Mines in 2021-22 :**

<b>Quantity (Th. Tonnes) Gold Ore (Primary)</b>	490
<b>Percentage Share to All-India</b>	99.83

## GRAPHITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> (Th. Tonnes) :	8563	203060	211623
<b>Life Index (Years)</b> :			939
B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares) :	<b>No. of Leases</b>		<b>Lease Area</b>
	32		1342.11

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>13</b>	<b>11</b>	<b>35386</b>	<b>57264</b>
<b>Public Sector</b>	1	1	10026	36214
<b>Private Sector</b>	12	10	25360	21050
<b>Captive</b>	2	2	10026	36214
<b>Non-captive</b>	11	9	25360	21050
<b>'A' Category</b>	3	3	4939	16523
<b>'B' Category</b>	10	8	30447	40741
<b>STATES</b>				
Chhatisgarh	1	1*	1701	-
Jharkhand	3	1	5962	21
Karnataka	2*	2*	-	-
Odisha	6	6	17697	21029
Tamil Nadu	1	1	10026	36214
<b>GRADES</b>				
80% or more fixed carbon			822	1043
40% or more but less than 80% fixed carbon			472	1130
less than 40% fixed carbon			34092	55091

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Tonnes)</b>	33649	39030	34674	35386	57264
<b>Value (Rs. '000)</b>	28229	36233	55908	87147	95192

E) <b>Closing Stock</b> :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(Tonnes)	177914	177944	179191	182564	176601

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	167	93
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.15	0.09

\* Only labour reported.

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)	71700	23200	19000	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports (Graphite (Natural))</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	910	405	607	716	764
<b>Value (Rs. crore)</b>	7.76	2.30	3.26	4.30	4.70
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
<b>Imports (Graphite (Natural))</b>					
<b>Quantity (Tonnes)</b>	39864	47053	41405	40153	54047
<b>Value (Rs. crore)</b>	148.79	232.89	186.32	180.82	265.16
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.01	0.02	0.02	0.02	0.02

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports</b>	<b>Tanzania Rp</b>	<b>Malaysia</b>	<b>China P Rp</b>	<b>UAE</b>	<b>Mauritania</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	325	106	48	43	35	207
<b>Value (Rs. crore)</b>	1.57	0.55	0.35	0.23	0.18	1.82
<b>Imports</b>	<b>China P Rp</b>	<b>Madagascar</b>	<b>Mozambique</b>	<b>Brazil</b>	<b>USA</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	22171	20850	8716	412	335	1563
<b>Value (Rs. crore)</b>	96.24	109.55	30.16	2.91	5.98	20.33

**J) Five Principal Graphite Mines in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Sivaganga	Vill. Senthudayanathapura Distt. Sivaganga Tamil Nadu	Tamil Nadu Minerals Limited, 31, Kamarajar Salaitwad House, Chepauk, Chennai-600 005, Tamil Nadu.
Birida	Vill. Birida Distt. Rayagada Odisha	Sibanana Pradhan A 19, Trishna Residency Phase 3, KIIT College Road, Patia, Bhubaneswar – 751 024, Odisha
Bainibasa	Vill. Bainibasa Distt. Rayagada Odisha	Pradhan Industries House No 1, Telenga Bazar, Cuttack Sadar – 753 009, Odisha
Ainlapali Rarbhal	Vill. Ainlapali Distt. Balangir Odisha.	Antaryami Mishra. Thikadar para, Nuapara, Balangir – 767 001, Odisha
Pradhan Industries	Vill. Bandhamandi Distt. Rayagada Odisha	Pradhan Industries House No 1, Telenga Bazar, Cuttack Sadar – 753 009, Odisha

**K) Contribution of above Mines in 2021-22 :**

<b>Quantity (Tonnes)</b>	54910
<b>Percentage Share to All-India Production</b>	95.88

## IOLITE

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

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

B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b>	<b>Lease Area</b>
	5	61.26

C) **Mines Reporting Production** :

	No. of Mines		Production (kg)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>				
<b>Private Sector</b>	3	3	16	27
<b>Non-captive</b>	3	3	16	27
<b>'B' Category</b>	3	3	16	27
<b>STATE</b>				
Odisha	3	3	16	27

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (kg)</b>	-	73	90	16	27
<b>Value (Rs. '000)</b>	-	684	579	73	191

E) <b>Closing Stock</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (kg)		2220	2321	2411	2427	2454

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	8	19
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.01	0.02

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (kgs)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**K) Exports/Imports by Country in 2021-22:**

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

**J) Iolite Mine in 2021-22:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Labanyasar	Village. Labanyasar District. Kalahandi Odisha	Mr. Debaraj Meher At/Po-Chichaigudaps-Junagarh, Kalahandi- 766014, Odisha.

**K) Contribution of above mine in 2021-22:**

<b>Quantity (kg)</b>	27
<b>Percentage Share to All-India Production</b>	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) :			91

(Includes Hematite & Magnetite)

B) Mining Leases as on 31-3-2022(p) :	No. of Leases	Lease Area
Iron Ore (Area in Hectares)	321	50142.48

C) Mines Reporting Production :

	No. of Mines		Production (Th. Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>280(9)</b>	<b>245(10)</b>	<b>205041</b>	<b>253973</b>
Public Sector	43	43	75884	99809
Private Sector	237(9)	202(10)	129157	154164
Captive	51	51	81821	96346
Non-captive	229(9)	194(10)	123220	157627
'A' Category	160	144	157122	202798
'B' Category	120(9)	101(10)	47919	51175
<b>STATES</b>				
Andhra Pradesh	14	13	349	312
Chhattisgarh	21	21	36839	41313
Goa	40	27	1003	-
Jharkhand	17	16	21434	24728
Karnataka	65	56(1)	34500	40332
Madhya Pradesh	21(8)	23(8)	4094	7399
Maharashtra	11	11	1249	1958
Odisha	82(1)	68(1)	104485	136696
Rajasthan	9	10	1088	1235
<b>GRADES</b>				
<b>Lumps (Total)</b>			<b>61917</b>	<b>72864</b>
Below 55% Fe			3736	5902
55% to below 58% Fe			1981	2820
58% to below 60% Fe			6062	9215
60% to below 62% Fe			9278	10707
62% to below 65% Fe			24757	26985
65% Fe and above			16103	17235
<b>Fines (Total)</b>			<b>141934</b>	<b>179716</b>
Below 55% Fe			11453	19343
55% to below 58% Fe			17969	25007
58% to below 60% Fe			12899	19490
60% to below 62% Fe			30148	44118
62% to below 65% Fe			48813	48140
65% Fe and above			20652	23618
<b>Concentrates (Total)</b>			<b>1190</b>	<b>1393</b>

D) Production Trend :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
Quantity (Th. Tonnes)	201426	206494	244083	205041	253973
Value (Rs. '000)	347131039	453465829	496430578	527292469	963813280

E) Closing Stock :	2017-18	2018-19	2019-20	2020-21	2021-22(p)
Quantity(Th. Tonnes)	152954	163121	146718	121170	119188

F) Employment :

Average Number of Persons Employed per Day	42422	47063
Percentage Share of Employment to Total for MCDR Minerals	38.81	43.06

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

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

\* : Only labour reported.



<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Th. Tonnes)	159576	174551	180685	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Th. Tonnes)</b>	24203	16150	36625	57723	26494
<b>Value (Rs. crore)</b>	9490.14	9262.61	18609.27	36255.60	24148.04
<b>Percentage Share to the Value of Exports of All Minerals</b>	4.76	4.23	9.81	18.44	9.36
<b>Imports</b>					
<b>Quantity (Th. Tonnes)</b>	8707	12808	1245	766	6683
<b>Value (Rs. crore)</b>	4229.40	5913.67	940.98	844.52	3538.93
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.41	0.46	0.08	0.11	0.23

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports</b>	<b>China P Rp</b>	<b>Indonesia</b>	<b>Korea Rp</b>	<b>Oman</b>	<b>Malaysia</b>	<b>Others</b>
<b>Quantity (Th. Tonnes)</b>	21861	912	501	454	365	2401
<b>Value (Rs. crore)</b>	18455.75	1090.89	764.09	702.93	418.83	2715.56
<b>Imports</b>	<b>Brazil</b>	<b>Australia</b>	<b>S. Africa</b>	<b>Ukraine</b>	<b>Finland</b>	<b>Others</b>
<b>Quantity (Th. Tonnes)</b>	3156	2382	928	152	61	4
<b>Value (Rs. crore)</b>	1679.86	793.26	885.42	128.38	45.94	6.08

**J) Five Principal Iron ore Mines in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Jajang Iron Mine	Vill. Jajang Distt. Keonjhar Odisha	M/s. Jsw steel limited, Jsw centrebandra kurla complex, bandra (east), Mumbai (suburban)-400051
Joda East	Vill. Joda Distt. Keonjhar Odisha	M/s. 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 – 400001.
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 – 500028.
San Indpur	Vill. Jajang Distt. Keonjhar Odisha	M/s. Rungta Sons Private Limited 8A Express Tower, 42A-Shakespeare, Kolkata-700017

**K) Contribution of above Mines in 2021-22 :**

<b>Quantity (Th. Tonnes)</b>	49253
<b>Percentage Share to All-India Production</b>	19

## KYANITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> (Th. Tonnes)	847	104835	105682
<b>Life Index</b> (Years)	:		Very Large
B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	:	<b>No. of Leases</b> 14	<b>Lease Area</b> 231.11

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	4	5	4925	9432
<b>Public Sector</b>	1	2	540	4357
<b>Private Sector</b>	3	3	4385	5075
<b>Captive</b>	-	-	-	-
<b>Non-captive</b>	4	5	4925	9432
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	4	5	4925	9432
<b>STATES</b>				
Karnataka	1	1	3780	5075
Jharkhand	-	1	-	2899
Maharashtra	3	3	1145	1458
<b>GRADES</b>				
40 % Al <sub>2</sub> O <sub>3</sub> & above			605	-
Below 40 % Al <sub>2</sub> O <sub>3</sub>			4320	9432

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity</b> (Tonnes)	7818	4889	3498	4925	9432
<b>Value</b> (Rs. '000)	23277	15757	12728	9251	17578

E) <b>Closing Stock</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(Tonnes)		12340	12384	9622	11265	13745

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	61	89
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.06	0.08

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)	6600 <sup>D</sup>	5100 <sup>D</sup>	7700 <sup>D</sup>	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	166	284	143	252	1655
<b>Value (Rs. crore)</b>	0.34	0.49	0.26	0.90	1.54
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	620	997	1112	1238	1668
<b>Value (Rs. crore)</b>	1.78	2.76	3.35	4.21	5.34
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2021-22:**

<b>Exports</b>	<b>UAE</b>	<b>Sri Lanka Dsr</b>	<b>Nigeria</b>	<b>Greece</b>	<b>Turkey</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	1353	100	52	48	46	56
<b>Value (Rs. crore)</b>	1.12	0.13	0.02	0.09	0.12	0.06
<b>Imports</b>	<b>USA</b>	<b>China P Rp</b>	<b>S. Africa</b>	<b>UAE</b>	<b>Malaysia</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	1298	370	--	--	--	++
<b>Value (Rs. crore)</b>	4.96	0.39	--	--	--	++

**J) Kyanite Mines in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Kargila	Vill. Kargila Dist. Mysore Karnataka	Mohammad Akram Rasheed, 3 Marcha Halli, H. D. Kote, Mysore – 571 125, Karnataka.
Jyoti-Pahari Mine	Vill. Jyoti-Pahari Dist. East Singhbhum Jharkhand	M/s. J S M D C L T D Khanij Bikash Nigam , Nepal House Area Doranda, Ranchi-834002, Jharkhand
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 2021-22:**

<b>Quantity (Tonnes)</b>	9432
<b>Percentage Share to All-India Production:</b>	100

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**D :** Despatches.

## LEAD AND ZINC CONCENTRATES

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2020(p)</b> :			
(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
<b>Life Index (Years) (Lead &amp; Zinc Ore)</b> :			25
<b>B) Mining Leases as on 31-3-2022(p)</b> :		<b>No. of Leases</b>	<b>Lease Area</b>
(Area in Hectares) (Lead & Zinc Ore)		11	7274.25

**C) Mines Reporting Production :**

	No. of Mines		Production (Th. Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>India</b>	<b>10</b>	<b>9</b>		
Lead & Zinc Ore			<b>15455</b>	<b>16338</b>
Lead Concentrates			<b>377</b>	<b>368</b>
Zinc Concentrates			<b>1514</b>	<b>1594</b>
<b>Public Sector</b>	2*	2*		
Lead & Zinc Ore			-	-
Lead Concentrates			-	-
Zinc Concentrates			-	-
<b>Private Sector</b>	8	8		
Lead & Zinc Ore			15455	16338
Lead Concentrates			377	368
Zinc Concentrates			1514	1594
<b>Captive</b>	10	10		
Lead & Zinc Ore			15455	16338
Lead Concentrates			377	368
Zinc Concentrates			1514	1594
<b>'A' Category</b>	10	10		
Lead & Zinc Ore			15455	16338
Lead Concentrates			377	368
Zinc Concentrates			1514	1594

STATES	No. of Mines		Production (Th. Tonnes)					
	2020-21	2021-22(p)	2020-21			2021-22(p)		
			Qty.	Pb%	Zn%	Qty.	Pb%	Zn%
Rajasthan	10	10						
Lead & Zinc Ore			15455	1.78	5.45	16338	1.29	5.06
Lead Concentrates			377	57.11		368	58.76	
Zinc Concentrates			1514		50.07	1594		50.16

**D) Production Trend :**

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Th. Tonnes)</b>					
Lead & Zinc Ore	12614	13752	14479	15455	16338
Lead Concentrates	306	358	352	377	368
Zinc Concentrates	1540	1457	1447	1514	1594
<b>Value (Rs. '000)</b>					
Lead Concentrates	11429413	16316914	18260832	18810483	22366174
Zinc Concentrates	49799273	56083826	60438504	63127101	81815818

**E) Closing Stock :**

Quantity (Th. Tonnes)	2017-18	2018-19	2019-20	2020-21	2021-22(p)
Lead & Zinc Ore	237	39	83	83	97
Lead Conc.	34	7	8	2	31
Zinc Conc.	27	23	26	29	34

**F) Employment :**

Average Number of Persons Employed per Day	8535	12948
Percentage Share of Employment to Total for MCDR Minerals	7.81	11.85

<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
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 :**

<b>Exports (Lead Ores &amp; Concentrates)</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	++	37	3	9	12
<b>Value (Rs. crore)</b>	0.01	0.20	0.02	0.11	0.16
<b>Exports (Zinc Ores &amp; Concentrates)</b>					
<b>Quantity (Tonnes)</b>	1206	2079	317	399	1762
<b>Value (Rs. crore)</b>	3.15	7.12	1.58	2.07	4.68
<b>Percentage Share to Val. (Lead Ore &amp; conc.) of Exports of All Minerals(Zinc Ore &amp; conc.)</b>	++	++	++	++	++
	++	++	++	++	++
<b>Imports (Lead Ores &amp; Concentrates)</b>					
<b>Quantity (Tonnes)</b>	2220	1499	3283	5473	5325
<b>Value (Rs. crore)</b>	14.94	8.55	16.67	32.51	25.52
<b>Imports (Zinc Ores &amp; Concentrates)</b>					
<b>Quantity (Tonnes)</b>	--	1422	101	804	720
<b>Value (Rs. crore)</b>	--	3.88	0.27	0.95	2.48
<b>Percentage Share to Val. (Lead Ore &amp; conc.) of Imports of All Minerals(Zinc Ore &amp; conc.)</b>	++	++	++	++	++
	--	++	++	++	++

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports (Lead ores &amp; conc.)</b>	<b>Bangladesh</b>	<b>Sri Lanka</b>	<b>S Africa</b>	<b>Canad</b>	<b>Iraq</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	12	++	++	++	--	++
<b>Value (Rs. crore)</b>	0.13	0.02	++	++	--	++
<b>Exports (Zinc ores &amp; conc.)</b>	<b>KoreaRp</b>	<b>China P Rp</b>	<b>Cuba</b>	<b>Netherland</b>	<b>USA</b>	
<b>Quantity (Tonnes)</b>	890	672	100	100	++	
<b>Value (Rs. crore)</b>	0.33	2.03	1.07	2.24	++	
<b>Imports (Lead ores &amp; conc.)</b>	<b>UAE</b>	<b>Argentin</b>	<b>Morocco</b>	<b>Taiwan</b>	<b>Ghana</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	2033	1418	354	312	215	993
<b>Value (Rs. crore)</b>	9	6.1	2.23	1.86	0.81	5.52
<b>Imports (Zinc ores &amp; conc.)</b>	<b>UAE</b>	<b>Ethopia</b>	<b>Zambia</b>	<b>Mexico</b>	<b>USA</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	328	240	128	24	++	++
<b>Value (Rs. crore)</b>	1.42	0.5	0.31	0.24	++	++

**J) Principal Lead & Zinc Mines in 2021-22:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
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 2021-22 :**

<b>Quantity (Th. Tonnes)</b>	16338
<b>Percentage share to all India Production</b>	100



<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2021-22:**

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

**J) Principal Lime Shell Mines in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Gokarna	Vill. Gokarna, Dist. North Kanara, Karnataka	Shri Veeranjanya Minerals, c/o: Vinayak R Kawari At: Siddanbavi, Kumta, Dist. North Kanara- 581343, Karnataka.

**K) Contribution of above Mines in 2021-22 :**

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

## LIMESTONE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> : (Million Tonnes)	19028	208561	227589
<b>Life Index (Years)</b> : (Includes Lime kankar & Lime shell)			224
B) <b>Mining Leases as on 31-3-2022(p)</b> : (Area in Hectares)		<b>No. of Leases</b> 1856	<b>Lease Area</b> 160922.08
C) <b>Mines Reporting production</b> :			

	No. of mines		Production ( in Th. Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>665(6)</b>	<b>689(7)</b>	<b>349120</b>	<b>392760</b>
<b>Public Sector</b>	24	19	8668	11271
<b>Private Sector</b>	641(6)	670(7)	340452	381489
<b>Captive</b>	394	409	333363	374336
<b>Non-Captive</b>	271(6)	280(7)	15757	18424
<b>“A” Category</b>	290	305	282713	319137
<b>“B” Category</b>	375(6)	384(7)	66407	73623
<b>STATES</b>				
Andhra Pradesh	68(1)	72(1)	41148	50260
Assam	2	2	1552	1681
Bihar	1	1	1000	987
Chhattisgarh	57	68	40378	41888
Gujarat	91(1)	85(3)	22227	23543
Himachal Pradesh	22	23	12018	13710
Jammu & Kashmir	18	16	1175	1156
Jharkhand	4	4	324	72
Karnataka	54(1)	54	33188	39405
Kerala	1	1	376	379
Madhya Pradesh	144(3)	168(3)	46099	50140
Maharashtra	17	20	13943	15757
Meghalaya	19	16	6029	6399
Odisha	7	7	7186	7059
Rajasthan	39	41	74266	87679
Tamil Nadu	89	78	21144	21334
Telangana	30	31	24493	28502
Uttar Pradesh	2	2	2574	2809
<b>GRADES</b>				
Cement			339449	381294
LD, SMS & BF			7174	9347
Chemical			2497	2119

**D) Production Trend :**

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity(Th. Tonnes)</b>	340417	379974	359464	349120	392760
<b>Value ( Rs. '000 )</b>	80995698	89584491	88890081	86484948	97349550

E) <b>Closing Stock</b> :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (Th. Tonnes)	18238	22493	24775	24195	27242

F) <b>Employment</b> :					
Average Number of Persons Employed per Day				20470	19464
Percentage Share of Employment to Total for MCDR Minerals				18.73	17.81

( ): Figures in parentheses indicate associated mines with clay (others), dolomite, marl and shale.



<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Th. Tonnes)	313767	347422	328620	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22 (p)</b>
<b>Quantity</b> (Th. Tonnes)	2812	3884	3760	3529	12160
<b>Value</b> (Rs. crore)	410.23	494.75	465.66	4293.91	455.15
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.21	0.23	0.25	2.18	0.18
<b>Imports</b>					
<b>Quantity</b> (Th. Tonnes)	20828	24397	25639	22798	27583
<b>Value</b> (Rs. crore)	2901.64	3666.52	3742.99	3291.18	4901.47
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.28	0.28	0.33	0.42	0.32

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports</b>	<b>Bangladesh</b>	<b>Nepal</b>	<b>UK</b>	<b>USA</b>	<b>Korea Rp</b>	<b>Others</b>
<b>Quantity</b> (Th. Tonnes)	12113	17	6	6	3	15
<b>Value</b> (Rs. crore)	347.48	10.56	9.3	60.8	3.09	23.92
<b>Imports</b>	<b>UAE</b>	<b>Oman</b>	<b>Malaysia</b>	<b>Vietnam Soc Rp</b>	<b>Egypt A Rp</b>	<b>Others</b>
<b>Quantity</b> (Th. Tonnes)	24281	2338	648	115	91	109
<b>Value</b> (Rs. crore)	3930.9	419.16	362.73	74.72	37.62	76.34

**J) Five Principal Limestone Mines in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
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.
Rajashree	Vill:- Adityanagar Dist:- Gulbarga Karnataka	Ultratech Cement Limited B Wing, Ahura Centre, 2nd Floor Mahakali Caves Road, Andheri(E), Mumbai – 400 093.
Tummalapenta	Vill:- Kolimigundla Dist:- Kurnool Andhra Pradesh	Ultra Tech Cement Ltd., 'B' Wing, Ahura Centre, 2 <sup>nd</sup> Floor, Mahakali Caves Rd., Andheri (E), Mumbai – 400 093.
Bhatkotri	Vill:- Bhatkotri Dist:- Chittorgarh Rajasthan	Wonder Cement Limited 17, Old Fatehpura, Near Seva Mandir Udaipur– 313 004.

**K) Contribution of above mines in 2021-22**

<b>Quantity</b> (Th. Tonnes)	48677
<b>Percentage share to all India production</b>	12

## MAGNESITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> (Th. Tonnes)	66070	393047	459117
<b>Life Index (Years)</b>	:		Very large
B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	No. of Leases		Lease Area
	36		2313.54
C) <b>Mines Reporting Production</b>	:		

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>12</b>	<b>10</b>	<b>74661</b>	<b>113495</b>
<b>Public Sector</b>	6	5	30621	61322
<b>Private Sector</b>	6	5	44040	52173
<b>Captive</b>	4	4	29931	60666
<b>Non-captive</b>	8	6	44730	52829
<b>'A' Category</b>	8	7	71006	108052
<b>'B' Category</b>	4	3	3655	5443
<b>STATES</b>				
Jammu & Kashmir	1*	-	-	-
Karnataka	4	3	6611	7057
Tamil Nadu	5	5	43613	81012
Uttarakhand	2	1	24437	25426
Rajasthan	-	1*	-	-

**D) Production Trend :**

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Th.Tonnes)</b>	195	147	103	75	113
<b>Value (Rs. '000)</b>	593650	408287	351947	314676	450169

<b>E) Closing Stock:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (Th. Tonnes)	78	80	62	67	54

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	642	638
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.59	0.58

\* : Only labour reported.

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Th. Tonnes)	248 <sup>D</sup>	195 <sup>D</sup>	180 <sup>D</sup>	N.A.	N.A.

**H) Exports/Imports Trend:**

	2017-18	2018-19	2019-20	2020-21(r)	2021-22(p)
<b>Exports</b>					
Quantity (Tonnes)	9575	6268	5453	5477	5384
Value (Rs. crore)	18.86	20.43	14.71	17.10	17.38
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.01	0.01	++	++	++
<b>Imports</b>					
Quantity (Tonnes)	229629	464365	365053	364577	510898
Value (Rs. crore)	526.87	1112.0	946.82	765.78	1310.65
<b>Percentage Share to the Value of</b>	0.05	0.09	0.08	0.10	0.08

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports</b>	<b>Malaysia</b>	<b>Bangladesh</b>	<b>Thailand</b>	<b>Singapore</b>	<b>Ethiopia</b>	<b>Others</b>
Quantity (Tonnes)	1809	857	378	318	313	1709
Value (Rs. crore)	1.93	3.61	2.15	1.48	0.99	7.21
<b>Imports</b>	<b>China P Rp</b>	<b>UAE</b>	<b>Turkey</b>	<b>Australia</b>	<b>Saudi Arab</b>	<b>Others</b>
Quantity (Tonnes)	243309	142056	50385	30489	21979	22680
Value (Rs. crore)	798.75	40.7	138.32	154.9	34.63	143.34

**J) Five Principal Magnesite Mines in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Arasu	Vill. Thathiengarpatti Distt. Salem Tamil Nadu	Tamil Nadu Magnesite Limited, 5/53, Omalur Main Road, Jagirammalayam, Salem-636 302, Tamil Nadu.
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 – 263 630, Uttarakhand.
Kondappanaickanpatty	Vill. Kondappanaickanpatty Distt. Salem Tamil Nadu	India Magnesia Product Limited, No. 11/239, Ramakrishna Road, Balaji Towers 3 <sup>rd</sup> floor, Salem – 636 007, Tamil Nadu.
Talooru	Vill. Talooru Distt. Mysore Karnataka	N.Rajashekar, Talooru Magnesite Mines Talooru village, Jayapura Hobli, Mysore – 571 311, Karnataka.

**K) Contribution of above Mines in 2021-22 :**

<b>Quantity (Th. Tonnes)</b>	110
<b>Percentage Share to All-India Production</b>	97.74

D : Despatches.

## MANGANESE ORE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> (Th. Tonnes)	75041	428583	503624
<b>Life Index (Years)</b>	:		134
B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	:	<b>No. of Leases</b> 217	<b>Lease Area</b> 10503.80
C) <b>Mines Reporting Production</b>	:		

	No. of Mines		Production (Th. Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>145(13)</b>	<b>127(14)</b>	<b>2703</b>	<b>2696</b>
<b>Public Sector</b>	32	32	1152	1239
<b>Private Sector</b>	113(13)	95(14)	1551	1457
<b>Captive</b>	9(3)	9(3)	351	305
<b>Non-captive</b>	136(10)	118(11)	2352	2391
<b>'A' Category</b>	46(7)	45(7)	2062	2204
<b>'B' Category</b>	99(6)	82(7)	641	492
<b>STATES</b>				
Andhra Pradesh	24	19	250	204
Karnataka	9(3)	8(3)	371	380
Madhya Pradesh	47(7)	44(7)	935	849
Maharashtra	27	26	647	732
Odisha	29(3)	20(4)	483	513
Others	7	9	17	18
<b>GRADES</b>				
MnO <sub>2</sub>			14	12
Above 46% Mn			251	219
35-46% Mn			565	611
25-35% Mn			953	1071
Below 25% Mn			920	783

**D) Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Th. Tonnes)</b>	2600	2832	2910	2703	2696
<b>Value (Rs. '000)</b>	19907474	21640165	18849100	17415461	22240539

E) <b>Closing Stock</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(Th. Tonnes)		1951	2884	6134	2727	2830
F) <b>Employment</b>	:					
<b>Average Number of Persons Employed per Day</b>				10191	11424	
<b>Percentage Share of Employment to Total for MCDR Mineral</b>				9.32	10.45	

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

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Th. Tonnes)	2702	2886	2616	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Th. Tonnes)</b>	44	56	58	82	114
<b>Value (Rs. crore)</b>	50.88	13.81	25.46	97.49	58.82
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.03	0.01	0.01	0.05	0.02
<b>Imports</b>					
<b>Quantity (Th. Tonnes)</b>	3628	2784	4317	4059	6500
<b>Value (Rs. crore)</b>	5063.40	4848.45	4128.21	5524.21	9642.48
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.49	0.37	0.36	0.70	0.02

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports</b>	<b>China P Rp</b>	<b>Indonesia</b>	<b>UAE</b>	<b>Bangladesh</b>	<b>Nepal</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	70569	24620	18363	22	15	17
<b>Value (Rs. crore)</b>	20.34	6.2	32.09	0.07	0.09	0.03
<b>Imports</b>	<b>S. Africa</b>	<b>Gabon</b>	<b>UAE</b>	<b>Australia</b>	<b>Singapore</b>	<b>Others</b>
<b>Quantity (Th. Tonnes)</b>	2852	1372	670	525	361	720
<b>Value (Rs. crore)</b>	3968.46	2276.63	898.29	931.83	608.56	958.71

**J) Five Principal Manganese Ore Mines in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Dongribuzurg	Vill. Balapur Hamesha Distt. Bhandara Maharashtra	MOIL Ltd., MOIL Bhavan, 1A – Katol Road, Chhaoni, Nagpur – 440 013, Maharashtra.
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.
Chikla	Vill. Sitasangi Distt. Bhandara Maharashtra	MOIL Ltd., MOIL Bhavan, 1A – Katol Road, Chhaoni, Nagpur – 440 013, Maharashtra.
Siljora Kalimati	Vill. Siljora Kalimati Distt. Keonjhar Odisha	Mr. Debabrata Behera, Siljora, Barbil, Keonjhar – 758 086, Odisha.

**K) Contribution of above Mines in 2021-22 :**

<b>Quantity (Th. Tonnes)</b>	1136
<b>Percentage Share to All-India Production</b>	42

## MARL

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2020(p)</b> (Th. Tonnes)	68145	31053	99198
<b>Life Index (Years)</b>	:		48
<b>B) Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	:	<b>No. of Leases</b> -	<b>Lease Area</b> -
<b>C) Mines Reporting Production</b>	:		

	No. of Mines		Production (Th. Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	(9)	(8)	2216	1853
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	(9)	(8)	2216	1853
<b>Captive</b>	(8)	(8)	2193	1853
<b>Non captive</b>	(1)	-	23	-
<b>'A' Category</b>	(9)	(8)	2216	1853
<b>'B' Category</b>	-	-	-	-
<b>STATES</b>				
Gujarat	(5)	(4)	1300	900
Tamil Nadu	(4)	(4)	916	953

**D) Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Th. Tonnes)</b>	1970	1890	2149	2216	1853
<b>Value (Rs. '000 )</b>	331289	349420	412463	417184	326498

<b>E) Closing Stock:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (Th. Tonnes)	1226	1042	881	600	469

**F) Employment** :

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

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

\*: Associated with Limestone.

**G) Domestic Consumption Trend: 2017-18 2018-19 2019-20 2020-21 2021-22**

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

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2021-22:**

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

**J) Five Principal Marl Mines in 2021-22:**

<b>Name</b>	<b>Location of Mine</b>	<b>Name &amp; address of Mine owner</b>
Kallankurichi *	Village - Kovaya District - Ariyalur Tamil Nadu	The Ramco Cements Ltd. 3 <sup>rd</sup> floor, Auras Corporate centre 98-A, Dr. Radhakrishanan Salai, Mylapore, Chennai – 600 004.
Adityana*	Village - Adityana District -Porbandar <b>Gujarat</b>	Saurashtra Cements Ltd., Near railway station, Ranavav, Gujarat- 360560
Kovaya *	Village - Kovaya District -Amreli Gujarat	Ultratech Cement Ltd., 'B' Wing, 2 <sup>nd</sup> floor, Ahura Center, Mahakali Caves Road, Andheri (E), Mumbai– 400 093.
Narmada *	Village - Babarkot District - Amreli Gujarat	Ultratech Cement Ltd., 'B' Wing, 2 <sup>nd</sup> floor, Ahura Center, Mahakali Caves Road, Andheri (E), Mumbai – 400 093.
Karuppur*	Village –Karuppursenapathy District – Ariyalur Tamil Nadu	Chettinad Cement Corporarion Ltd. 5 <sup>th</sup> floor Rani Seethai Hall Building 603, Anna Salai, Chennai – 600 006.

**K) Contribution of above mines in 2021-22**

**Quantity (Th. Tonnes)** 1684  
**Percentage share to all India production** 91

\* Associated with limestone.

## MOULDING SAND

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

<b>B) Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b>	<b>Lease Area</b>
	6	39.24

**C) Mines Reporting Production :**

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>4</b>	<b>4</b>	<b>14363</b>	<b>16843</b>
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	4	4	14363	16843
<b>Captive</b>	-	-	-	-
<b>Non-Captive</b>	4	4	14363	16843
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	4	4	14363	16843
<b>STATES</b>				
Chhattisgarh	4	4	14363	16843

**D) Production Trend :**

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Tonnes)</b>	7100	14805	12905	14363	16843
<b>Value ( Rs. '000 )</b>	1804	4145	3766	4150	5080

<b>E) Closing Stock</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(Tonnes)	261	66	2293	5697	5008

<b>F) Employment</b>		
Average Number of Persons Employed per Day	24	22
Percentage Share of Employment to Total for MCDR Minerals	0.02	0.02



<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2021-22:**

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

**J) Moulding Sand Mines in 2021-22:**

<b>Name</b>	<b>Location of Mine</b>	<b>Name &amp; address of Mine owner</b>
Karhidih	Vill. Karhidih, Distt. Durg Chhattisgarh.	Marendra Kumar Seksaria, 271, Ramdev Mandir, Ward 35, Ganjpara, Durg – 491 001, Chhattisgarh.
Barregaon	Vill. Barregaon, Distt. Rajnandgaon, Chhattisgarh.	Smt. Sujata Dakliya, House No: 19/132, Sahadeo Nagar, Rajnandgaon – 491 441, Chhattisgarh.
Bankal	Vill. Bankal, Distt. Rajnandgaon, Chhattisgarh.	Smt. Archana Das, 44, Vardhman Nagar, Jain School Road, Rajnandgaon – 491 441, Chhattisgarh.
Amti	Vill. Amti, Distt. Durg Chhattisgarh	Bimal Kumar Sekseria, 271, Ramdev Mandir, Ward 35, Ganjpara, Durg – 491 001, Chhattisgarh

**K) Contribution of above mines in 2021-22**

<b>Quantity (Tonnes)</b>	16843
<b>Percentage share to all India production</b>	100

## PERLITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> (Th. Tonnes) :	-	2406	2406

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

B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares) :	No. of Leases	Lease Area
	1	144.88

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	-	-	-	-
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	-	-	-	-
<b>Captive</b>	-	-	-	-
<b>Non-captive</b>	-	-	-	-
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	-	-	-	-
<b>STATE</b>				
Gujarat	-	-	-	-

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) **Closing Stock** : 2017-18 2018-19 2019-20 2020-21 2021-22(p)  
Quantity(Tonnes) - - - - -

F) **Employment** :

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

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2021-22:**

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

**J) Perlite Mines in 2021-22:** Nil

**K) Contribution of above mine in 2021-22:**

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

## PHOSPHORITE/ROCK PHOSPHATE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> (Th. Tonnes)	30876	280377	311253
<b>Life Index (Years):</b>			78

B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b> 7	<b>Lease Area</b> 1534.24
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C) **Mines Reporting Production** :

	No. of Mines		Production (Th. Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	6	7	1456	1395
<b>Public Sector</b>	5	6	1358	1296
<b>Private Sector</b>	1	1	98	99
<b>Captive</b>	-	-	-	-
<b>Non Captive</b>	6	7	1456	1395
<b>'A' Category</b>	4	4	1456	1395
<b>'B' Category</b>	2	3	-	-
<b>STATES</b>				
Madhya Pradesh	5	6	98	114
Rajasthan	1	1	1358	1281
<b>GRADES</b>				
Above 30% P <sub>2</sub> O <sub>5</sub>			179	251
Above 25% to 30% P <sub>2</sub> O <sub>5</sub>			562	429
Above 20% to 25% P <sub>2</sub> O <sub>5</sub>			-	-
Upto 20% P <sub>2</sub> O <sub>5</sub>			715	715

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Th. Tonnes)</b>	1516	1421	1400	1456	1395
<b>Value (Rs. '000)</b>	3668267	3883571	4731313	4694525	7616476

E) <b>Closing Stock</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (Th. Tonnes)	2735	2347	2300	2322	2278

F) <b>Employment</b>	<b>Average Number of Persons Employed per Day</b>	951	700
	<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.87	0.64

<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Th. Tonnes)(Apatite & Rock Phosphate)		9236 <sup>(@)</sup>	9290 <sup>(@)</sup>	9100 <sup>(@)</sup>	N.A.	N.A.

**H) Exports/Imports Trend :**

Exports (Rock Phosphate)	2017-18	2018-19	2019-20	2020-21 (r)	2021-22(p)
<b>Quantity (Tonnes)</b>	395	1651	257	825	540
<b>Value (Rs. crore)</b>	0.06	4.68	0.20	0.56	1.13
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
Imports (Rock Phosphate)					
<b>Quantity (Th. Tonnes)</b>	7703	7519	7655	7781	9660
<b>Value (Rs. crore)</b>	4545.70	5637.92	5420.60	5370.91	10466.73
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.44	0.43	0.47	0.68	0.67

**I) Exports/Imports by Country in 2021-22 :**

Exports (Rock Phosphate)	Bangladesh	Nepal	Oman	USA	Malaysia	Others
Quantity (Tonnes)	240	192	42	41	17	8
Value (Rs. crore)	0.02	0.2	0.06	0.83	0.01	0.01
Imports (Rock Phosphate)	Jordan	Morocco	Egypt A Rp	Togo	Algeria	Others
Quantity (Th. Tonnes)	4147	2069	1232	854	578	780
Value (Rs. crore)	4381.37	2604.42	1027.75	1074.09	518.19	860.92

**J) Principal Phosphorite Mines in 2021-22 :**

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.
Jhabua	Vill. Kachaldara Distt. Jhabua Madhya Pradesh	M.P. State Mining Corporation Ltd Prayas Bhavan Block No 1(A) Second Floor , Jail Road, Arena Hills, Bhopal, Madhya Pradesh

**K) Contribution of above Mines in 2021-22**

<b>Quantity (Th. Tonnes)</b>	1395
<b>Percentage Share to All-India Production</b>	100

<sup>(@)</sup>: Apparent consumption.

## PYRITES

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

B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares) :	<b>No. of Leases</b> N.A	<b>Lease Area</b> N.A
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C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	-	-	-	-
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	-	-	-	-
<b>Captive</b>	-	-	-	-
<b>Non-Captive</b>	-	-	-	-
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	-	-	-	-
<b>STATE</b>				
Bihar	-	-	-	-

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Tonnes)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) <b>Closing Stock</b> :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(Tonnes)	-	-	-	-	-

F) **Employment** :

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



## 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 31-3-2022(p) (Area in Hectares)	No. of Leases	Lease Area
	-	-

C) Mines Reporting Production :

	No. of Mines		Production (kg)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	----- No Production reported -----			
<b>Public Sector</b>	- do -			
<b>Private Sector</b>	- do -			
<b>Captive</b>	- do -			
<b>Non-Captive</b>	- do -			
<b>'A' Category</b>	- do -			
<b>'B' Category</b>	- do -			
<b>STATE</b>				
Odisha	- do -			

D) Production Trend :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs. '000)</b>	-	-	-	-	-

E) Closing Stock	:	2017-18	2018-19	2019-20	2020-21	2021-22(p)
Quantity (kg)		-	-	-	-	-

F) Employment :

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





## SALT (Rock)

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

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

B) <b>Mining Leases as on 31-3-2022(p):</b> (Area in Hectares)	No. of Leases	Lease Area
	1	8.12

C) **Mines Reporting Production** :

	No. of Mines		Production (tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>1</b>	<b>1</b>	<b>486</b>	<b>286</b>
<b>Public Sector</b>	1	1	486	286
<b>Private Sector</b>	-	-	-	-
<b>Captive</b>	-	-	-	-
<b>Non-captive</b>	1	1	486	286
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	1	1	486	286
<b>STATE</b>				
Himachal Pradesh	1	1	486	286

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (tonnes)</b>	47	17	130	486	286
<b>Value (Rs. '000)</b>	421	160	1447	14156	6125

E) <b>Closing Stock</b>	:	2017-18	2018-19	2019-20	2020-21	2021-22(p)
Quantity(tonnes)		-	2	3	113	38

F) **Employment** :

Average Number of Persons Employed per Day		23	34
Percentage Share of Employment to Total for MCDR Minerals		0.02	0.03

<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity(tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports (Salts (other than common salt))</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Th. tonnes)</b>	9970	12755	11682	8261	8864
<b>Value (Rs. crore)</b>	940.27	1462.73	1368.1	1057.17	1339.37
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.47	0.67	0.72	0.54	0.52
<b>Imports (Salts (other than common salt))</b>					
<b>Quantity (tonnes)</b>	67555	78712	65263	98042	69549
<b>Value (Rs. crore)</b>	29.18	47.29	46.62	64.55	51.24
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2021-22:**

<b>Exports</b>	<b>China P Rp</b>	<b>Korea Rp</b>	<b>Japan</b>	<b>Indonesia</b>	<b>Qatar</b>	<b>Others</b>
<b>Quantity (Th. tonnes)</b>	2607	2091	1165	729	652	1619
<b>Value (Rs. crore)</b>	449.52	250.57	138.86	88.51	100.13	312.08
<b>Imports</b>	<b>Iran</b>	<b>UAE</b>	<b>Pakistan Ir</b>	<b>China P Rp</b>	<b>Thailand</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	32983	30380	1741	1007	870	2568
<b>Value (Rs. crore)</b>	16.66	20.02	0.35	1.47	2.7	10.04

**J) Salt (Rock) Mines in 2021-22 :**

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

**K) Contribution of above Mines in 2021-22:**

<b>Quantity (tonnes)</b>	286
<b>Percentage Share to All-India Production</b>	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 31-3-2022(p) :	No. of Leases	Lease Area	
(Area in Hectares)	N.A.	N.A.	

C) Mines Reporting Production :

	No. of Mines		Production (tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>3</b>	<b>4</b>	<b>402</b>	<b>756</b>
Public Sector	3	3	402	686
Private Sector	-	1	-	70
Captive	-	1	-	70
Non-captive	3	3	402	686
'A' Category	-	1	-	70
'B' Category	3	3	402	686
<b>STATE</b>				
Rajasthan	3	4	402	756

D) Production Trend :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
Quantity (tonnes)	469	2906	2154	402	756
Value (Rs. '000)	939	5812	4206	602	1022

E) Closing Stock :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (tonnes)	-	-	825	763	494

F) Employment :

Average Number of Persons Employed per Day	15	11
Percentage Share of Employment to Total for MCDR Minerals	0.01	0.01

<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity (tonnes)</b>	-	-	-	-	-
<b>Value (Rs. crore)</b>	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**I) Exports/Imports by Country in 2021-22:**

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

**J) Selenite Mine in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Thob-2	Vill. Thob Distt. Barmer Rajasthan	Rajasthan State Mines & Minerals Ltd., C-89-90, Janpath, Lal Kothi Scheme, Jaipur – 302 015, Rajasthan.
Thob-1	Vill. Thob Distt. Barmer Rajasthan	Rajasthan State Mines & Minerals Ltd., C-89-90, Janpath, Lal Kothi Scheme, Jaipur – 302 015, Rajasthan.
Thob-(2/98)	Vill. Thob Distt. Barmer Rajasthan	J.K.Cement Ltd, Kamla Tower, Kanpur, Uttar Pradesh, Kanpur – 280 002

**K) Contribution of above Mines in 2021-22 :**

<b>Quantity (tonnes)</b>	756
<b>Percentage Share to All-India Production</b>	100

## SILICEOUS EARTH

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

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

B) <b>Mining Leases as on 31-3-2022(p)</b> :	<b>No. of Leases</b>	<b>Lease Area</b>
(Area in Hectares)	35	271.71

C) **Mines Reporting Production** :

	No. of Mines		Production (tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>12</b>	<b>13</b>	<b>23823</b>	<b>31783</b>
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	12	13	23823	31783
<b>Captive</b>	-	-	-	-
<b>Non-captive</b>	12	13	23823	31783
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	12	13	23823	31783
<b>STATE</b>				
Rajasthan	12	13	23823	31783

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (tonnes)</b>	86662	80237	19367	23823	31783
<b>Value (Rs. '000)</b>	53164	50206	11710	14686	21209

E) <b>Closing Stock</b> :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(tonnes)	93014	86493	80622	81530	65918

F) **Employment** :

Average Number of Persons Employed per Day	48	56
Percentage Share of Employment to Total for MCDR Minerals	0.04	0.05

<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity(tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend :**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity</b> (Th. tonnes)	-	-	-	-	-
<b>Value</b> (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	-	-	-	-	-
<b>Imports</b>					
<b>Quantity</b> (tonnes)	-	-	-	-	-
<b>Value</b> (Rs. crore)	-	-	-	-	-
<b>Percentage Share to the Value of Imports of All Minerals</b>	-	-	-	-	-

**J) Exports/Imports by Country in 2021-22:**

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

**J) Five Principal Siliceous Earth Mines in 2021-22:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Mokhab (58/13)	Vill. Mokhab, Distt. Barmer, Rajasthan.	Mr. Babu Lal Mali, Akali, Shiv. Barmer – 344 701, Rajasthan.
Mokhab (/13)	Vill. Mokhab, Distt. Barmer, Rajasthan.	Mr. Narayan Singh Rathore, Chandan Singh Ki Dhani, Shiv. Barmer – 344 001, Rajasthan.
Sajit (217/13)	Vill. Sajit, Distt. Jaisalmer, Rajasthan.	Mr. Ashok Kumar Khatri, Inko ki Pol, Pokaran, Pokaran, Jaisalmer – 345 021, Rajasthan.
Sajit (125/2014)	Vill. Sajit, Distt. Jaisalmer, Rajasthan.	Mr. Ishwar Singh Rathore, Vill. Jayani, P.O. Kathoti, Jayal, Nagaur – 341 001, Rajasthan.

**K) Contribution of above Mines in 2021-22:**

<b>Quantity</b> (tonnes)	27867
<b>Percentage Share to All-India Production</b>	87

## SILLIMANITE

<b>Items</b>	<b>Reserves</b>	<b>Remaining Resources</b>	<b>Total</b>
A) <b>Total Resources 1-4-2020(p)</b> (Th. tonnes)	8262	64005	72267
<b>Life Index (Years)</b>	:		Very Large
B) <b>Mining Leases as on 31-3-2022(p)</b> (Area in Hectares)	<b>No. of Leases</b>		<b>Lease Area</b>
	2		33.34

**C) Mines Reporting Production :**

	No. of Mines		Production (tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>1(2)</b>	<b>(2)</b>	<b>11110</b>	<b>3432</b>
<b>Public Sector</b>	1	-	-	-
<b>Private Sector</b>	(2)	(2)	11110	3432
<b>Captive</b>	-	-	-	-
<b>Non-Captive</b>	1(2)	(2)	11110	3432
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	1(2)	(2)	11110	3432
<b>STATES</b>				
Maharashtra	1(2)	(2)	11110	3432

**D) Production Trend :**

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (tonnes)</b>	81638	69919	13221	11110	3432
<b>Value (Rs. '000)</b>	671690	564498	37903	13987	7973

<b>E) Closing Stock</b>	<b>:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (tonnes)		21635	15804	10113	1463	2920

**F) Employment :**

<b>Average Number of Persons Employed per Day</b>	2	-*
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	++	-

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

++: Negligible



<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (tonnes)	75900 <sup>D</sup>	56100 <sup>D</sup>	23400 <sup>D</sup>	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (tonnes)</b>	16193	9984	1025	4998	3120
<b>Value (Rs. crore)</b>	17.18	11.19	1.50	9.44	6.44
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.01	0.01	++	++	++
<b>Imports</b>					
<b>Quantity (tonnes)</b>	17	99	609	606	801
<b>Value (Rs. crore)</b>	0.10	0.24	1.08	1.16	1.4
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2021-22:**

<b>Exports</b>	<b>China P Rp</b>	<b>Japan</b>	<b>Nepal</b>	<b>Malaysia</b>	<b>Thailand</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	2576	314	116	84	25	5
<b>Value (Rs. crore)</b>	5.02	1.04	0.12	0.17	0.05	0.03
<b>Imports</b>	<b>UAE</b>	<b>Hong Kong</b>	<b>Ukraine</b>	<b>USA</b>	<b>China P Rp</b>	<b>Others</b>
<b>Quantity (tonnes)</b>	383	210	160	41	3	4
<b>Value (Rs. crore)</b>	0.34	0.49	0.35	0.09	0.03	0.1

**J) Five Principal Sillimanite Mines in 2021-22 :**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Digori*	Vill. Digori Distt. Bhandara Maharashtra	Dighori Kyanite Mine, Apna Nagar, Tkiya Ward, Nagpur Road, Bhandara – 441904, Maharashtra.
Pavri Kyanite Mine*	Vill. Sakra Distt. Bhandara Maharashtra	Pavri Kyanite Mine, A-1 Indra Sagar, Ravindranath Taigore Marg, Civil Line, Nagpur – 440 001, Maharashtra.

**K) Contribution of above Mines in 2021-22 :**

<b>Quantity (tonnes)</b>	3432
<b>Percentage Share to All-India Production</b>	100

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

## SILVER\*

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2020(p)</b> :			
(Th. Tonnes) Ore	170446	398198	568644
Metal	8	22	30
<b>Life Index (Years)</b> :			26

<b>B) Mining Leases as on 31-3-2022(p)</b> :	<b>No. of Leases</b>	<b>Lease Area</b>
(Area in Hectares)	N.A.	N.A.

**C) Production of Silver :**

	Production (kg)	
	2020-21	2021-22(p)
<b>INDIA</b>	<b>705796</b>	<b>647140</b>
<b>Public Sector</b>	120	127
<b>Private Sector</b>	705676	647013
<b>Captive</b>	-	-
<b>Non-Captive</b>	-	-
<b>'A' Category</b>	-	-
<b>'B' Category</b>	-	-
<b>STATES</b>		
Karnataka	120	127
Rajasthan	705676	647013

**D) Production Trend :**

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (kg)</b>	557691	679386	609340	705796	647140
<b>Value (Rs. '000)</b>	21179042	25824756	25616104	42664424	42123586

<b>E) Closing Stock</b> :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (kg)	-	-	-	-	-

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

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\* Produced as a by-product.

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	27	32	30	615	89
<b>Value (Rs. crore)</b>	65.91	81.84	68.01	3393.50	363.36
<b>Percentage Share to the Value of Exports of All Metals</b>	0.03	0.05	0.04	1.64	0.1
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	5879	7472	5421	1484	4422
<b>Value (Rs. crore)</b>	20724.89	26188.63	19161.79	5960.28	24454.28
<b>Percentage Share to the Value of Imports of All Metals</b>	5.03	2.02	4.60	1.37	3.9

**I) Exports/Imports By Country In 2021-22 :**

<b>Exports</b>	<b>UK</b>	<b>USA</b>	<b>Germany</b>	<b>Italy</b>	<b>Canada</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	41	24	7	4	3	10
<b>Value (Rs. crore)</b>	250.75	39.21	15.65	12.13	5.92	39.7
<b>Imports</b>	<b>UK</b>	<b>Hong Kong</b>	<b>Russia</b>	<b>China P Rp</b>	<b>Kazakhstan</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	1736	1547	250	189	144	556
<b>Value (Rs. crore)</b>	9756.38	8665.62	1401.33	1044.19	834.42	2752.33

**J) Producers of Silver in 2021-22 :**

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

**K) Contribution of above Producers in 2021-22 :**

<b>Quantity (kg)</b>	705796
<b>Percentage Share to All-India Production</b>	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 31-3-2022(p) : (Area in Hectares)	No. of Leases N.A.	Lease Area N.A.
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C) Production of Sulphur :

	No. of Units <sup>S</sup>		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	12	12	737337	880858
<b>Public Sector</b>	12	12	737337	880858
<b>STATES</b>				
Assam	4	4	6447	6545
Bihar	1	1	7135	8160
Gujarat	1	1	82450	117588
Haryana	1	1	138025	178740
Kerala	1	1	142166	182352
Maharashtra	1	1	41375	53165
Odisha	1	1	209387	207831
Uttar Pradesh	1	1	54234	60307
West Bengal	1	1	56118	66170

D) Production Trend :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Tonnes)</b>	825173	890400	900942	737337	880858

E) Closing Stock	:	2017-18	2018-19	2019-20	2020-21	2021-22(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)  
<sup>S</sup> No. of units reporting production of sulphur as by-product

**G) Domestic Consumption Trend: 2017-18 2018-19 2019-20 2020-21 2021-22**

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

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	573855	479650	802175	802713	1290620
<b>Value (Rs. crore)</b>	425.44	433.25	387.28	432.86	2101.05
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.21	0.20	0.20	0.22	0.81
<b>Imports</b>					
<b>Quantity (Th. Tonnes)</b>	1206	1347	1235	1463	1895
<b>Value (Rs. crore)</b>	1062.88	1521.97	823.97	1094.83	3536.21
<b>Percentage Share to the Value of Imports of All Minerals</b>	0.10	0.12	0.07	0.14	0.23

**I) Exports/Imports by Country in 2021-22:**

<b>Exports</b>	<b>China P Rp</b>	<b>Jordan</b>	<b>Morocco</b>	<b>Sri Lanka</b>	<b>Oman</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	1233483	28500	21000	1361	1348	4928
<b>Value (Rs. crore)</b>	1968.77	69.66	35.14	3.93	1.7	21.86
<b>Imports</b>	<b>Qatar</b>	<b>UAE</b>	<b>Oman</b>	<b>Saudi Arab</b>	<b>Kuwait</b>	<b>Others</b>
<b>Quantity (Th. Tonnes)</b>	613	478	287	210	169	138
<b>Value (Rs. crore)</b>	1258.72	770.13	528.28	379.27	340.08	259.74

**J) Sulphur Producing Units in 2021-22 : (As By-Product)**

<b>Location of Unit</b>	<b>Address of Owner</b>
Panipat, Distt. Panipat, Haryana	Indian Oil Corpn. Ltd, (Refineries Division) Scope Complex, Core-II, 7, Institutional Area, Lodhi Road, New Delhi – 110 003.
Gujarat, Distt. Baroda, Gujarat	
Mathura, Distt. Mathura, Uttar Pradesh	
Haldia, Distt: Midnapur, West Bengal	
Barauni, Distt: Begusarai, Bihar	
Guwahati, Distt. Guwahati, Assam	
Digboi, Distt. Digboi, Assam	
Bongaigaon, Distt. Chirang, Assam	
Paradip, Distt. Paradip, Odisha	
Numaligarh Refinery Limited, Distt: Golaghat Assam	Numaligarh Refinery Limited, 122A , G.S. Road Christianbasti, Guwahati – 781 005.
Mahul, Distt. Mumbai, Maharashtra	Bharat Petroleum Corp. Ltd.,Bharat Bhawan, 4 & 6, Currimbhoy Road, Ballard Estate, Mumbai – 400001, Maharashtra
Kochi, Distt. Ernakulam, Kerala	

**K) Contribution of above Units in 2021-22 :**

**Quantity (Tonnes)** 880858

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

## TIN CONCENTRATES

Items	Reserves	Remaining Resources	Total
<b>A) Total Resources 1-4-2020(p)</b> :			
(Tonnes) Ore	2101	83720794	83722895
Metal	974	102783	103757

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

<b>B) Mining Leases as on 31-3-2022(p)</b> :	<b>No. of Leases</b>	<b>Lease Area</b>
(Area in Hectares)	15	319.17

**C) Mines Reporting Production** :

	No. of Mines		Production (kg)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>5</b>	<b>6</b>	<b>16865</b>	<b>26292</b>
<b>Public Sector</b>	1	1	13859	24813
<b>Private Sector</b>	4	5	3006	1479
<b>Captive</b>	4	5	3006	1479
<b>Non-captive</b>	1	1	13859	24813
<b>'A' Category</b>	-	-	-	-
<b>'B' Category</b>	5	6	16865	26292
<b>STATE</b>				
Chhattisgarh	5	6	16865	26292

**D) Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (kg)</b>	16758	21212	15530	16865	26292
<b>Value (Rs. '000)</b>	11348	14627	10337	10413	31979

<b>E) Closing Stock</b> :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(Kg)	5136	9315	10809	8520	260

**F) Employment** :

<b>Average Number of Persons Employed per Day</b>	9	12
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.01	0.01

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)	N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports (Tin ores &amp; concs.)</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	++	++	++	-	-
<b>Value (Rs. crore)</b>	++	0.01	++	-	-
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	-	-
<b>Imports (Tin ores &amp; concs.)</b>					
<b>Quantity (Tonnes)</b>	57	6	++	2	++
<b>Value (Rs. crore)</b>	5.70	0.13	0.02	0.09	0.03
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports / Imports by Country in 2021-22 :**

<b>Exports</b>	-	
<b>Quantity (Tonnes)</b>	-	
<b>Value (Rs. crore)</b>	-	
<b>Imports</b>	<b>Korea Rp</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	++	++
<b>Value (Rs. crore)</b>	0.02	++

**J) Five Principal Tin Concentrate Mine in 2021-22:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Govindpal	Vill. Govindpal Distt. Dantewada Chhattisgarh	Chhattisgarh State Mineral Dev. Corpn. Ltd., 27/520, New Shanti Nagar, Shankar Nagar Road, Raipur-462011, Chhattisgarh
Bade Bacheli (17.087 Ha)	Vill. Bade Bacheli Distt. Dantewada Chhattisgarh	Precious Minerals & Smelting Ltd., Semi Urban Industrial Estate, Frezerpur, Jagdapur – 494001, Chhattisgarh.
Bade Bacheli (7.739 Ha)	Vill. Bade Bacheli Distt. Dantewada Chhattisgarh	
Bade Bacheli (36.067 Ha)	Vill. Bade Bacheli Distt. Dantewada Chhattisgarh	
Parcheli (7.55 Ha)	Vill. Parcheli Distt. Dantewada Chhattisgarh	

**K) Contribution of above Mine in 2021-22 :**

<b>Quantity (Kg)</b>	26292
<b>Percentage Share to All-India Production</b>	99.84

## TUNGSTEN CONCENTRATES

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

<b>B) Mining Leases as on 31-3-2022(p)</b> :	<b>No. of Leases</b>	<b>Lease Area</b>
(Area in Hectares)	N.A.	N.A.

**C) Mines Reporting Production :**

	No. of Mines		Production (kg)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	----- No Production reported -----			
<b>Public Sector</b>	- do -			
<b>Private Sector</b>	- do -			
<b>Captive</b>	- do -			
<b>Non-Captive</b>	- do -			
<b>'A' Category</b>	- do -			
<b>'B' Category</b>	- do -			
<b>STATE</b>				
Rajasthan	- do -			

**D) Production Trend :**

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (kg)</b>	-	-	-	-	-
<b>Value (Rs.'000)</b>	-	-	-	-	-

<b>E) Closing Stock</b> :	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(kg)	-	-	-	-	-

**F) Employment :**

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



<b>G) Domestic Consumption Trend</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)		N.A.	N.A.	N.A.	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	30	34	--	--	13
<b>Value (Rs. crore)</b>	2.99	4.32	--	--	0.71
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	--	--	++
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	350	461	447	121	151
<b>Value (Rs. crore)</b>	2.36	6.45	6.92	0.91	1.48
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports</b>	<b>Vietnam Soc Rep</b>		
<b>Quantity (Tonnes)</b>	13		
<b>Value (Rs. crore)</b>	0.71		
<b>Imports</b>	<b>Netherland</b>	<b>Japan</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	132	19	++
<b>Value (Rs. crore)</b>	1.37	0.11	++

**J) Tungsten Concentrate Mines in 2021-22 :** Nil

**K) Contribution of above Mine in 2021-22 :**

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

## VERMICULITE

Items	Reserves	Remaining Resources	Total
A) <b>Total Resources 1-4-2020(p)</b> (Th. Tonnes)	1591	765	2356
<b>Life Index (Years)</b>			555

B) <b>Mining Leases as on 31-3-2021(p)</b> (Area in Hectares)	<b>No. of Leases</b>	<b>Lease Area</b>
	55	951.30

C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	<b>5</b>	<b>5(1)</b>	<b>1260</b>	<b>3061</b>
<b>Public Sector</b>	1	1	510	691
<b>Private Sector</b>	4	4(1)	750	2370
<b>Captive</b>	2	2	750	1970
<b>Non-captive</b>	3	3(1)	510	1091
<b>'A' Category</b>	1	1	750	1970
<b>'B' Category</b>	4	4(1)	510	1091
<b>STATES</b>				
Andhra Pradesh	3	3(1)	750	2370
Karnataka	1*	1*	-	-
Tamil Nadu	1	1	510	691

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Tonnes)</b>	6054	2992	2774	1260	3061
<b>Value (Rs. '000)</b>	7075	3709	3347	2157	3768

E) <b>Closing Stock</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity(Tonnes)	26915	25693	16786	7806	16475

F) <b>Employment</b>					
<b>Average Number of Persons Employed per Day</b>				43	43
<b>Percentage Share of Employment to Total for MCDR Minerals</b>				0.04	0.04

( ) : Figures in parantheses indicate additional mines associated with mica.

\*: Only labour reported

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Tonnes)	5923 <sup>(@)</sup>	4410 <sup>(@)</sup>	11463 <sup>(@)</sup>	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21 (r)</b>	<b>2021-22 (p)</b>
<b>Quantity (Tonnes)</b>	454	583	634	853	1263
<b>Value (Rs. crore)</b>	0.51	0.73	0.79	1.16	2.18
<b>Percentage Share to the Value of Exports of All Minerals</b>	++	++	++	++	++
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	321	610	416	696	1096
<b>Value (Rs. crore)</b>	0.74	1.62	1.10	1.72	2.55
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports</b>	<b>Japan</b>	<b>UAE</b>	<b>Norway</b>	<b>Angola</b>	<b>Nepal</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	616	252	242	59	39	55
<b>Value (Rs. crore)</b>	0.94	0.49	0.45	0.14	0.02	0.14
<b>Imports</b>	<b>Kenya</b>	<b>Mozambique</b>	<b>S. Africa</b>	<b>Saudi Arab</b>	<b>Others</b>	
<b>Quantity (Tonnes)</b>	902	80	60	54	++	
<b>Value (Rs. crore)</b>	2.06	0.26	0.21	0.02	++	

**J) Five Principal Vermiculite Mines in 2021-22:**

<b>Name of Mine</b>	<b>Location of Mine</b>	<b>Address of Mine Owner</b>
Muruga	Vill. Rajupalem Distt. Nellore Andhra Pradesh	T Meenatchi Sundaram Plot No.2, Industrial Estate, Gudur (P.O), (Mandal), SPSR Nellore – 524 101, (A.P).
Sevathur	Vill. Sevathur Distt. Vellore Tamil Nadu	Tamil Nadu Minerals Ltd., 31, Kamarajar, Salaitwad House,Chepauk, Chennai – 600 005, Tamil Nadu.
Gangamma Gani	Vill. Chaganam Distt. Nellore Andhra Pradesh	Sadhana Minerals 1-116, Masthanvali Complex, Anil Nagar, Bye Pass Road , Gudur, Chillakur, Post- GUDUR Dist. Nellore – 524 412, Andhra Pradesh

**K) Contribution of above Mines in 2021-22 :**

<b>Quantity (Tonnes)</b>	3061
<b>Percentage Share to All-India Production :</b>	100

(@) : Apparent consumption

## WOLLASTONITE

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

**Life Index (Years)** : 150

B) <b>Mining Leases as on 31-3-2021(p)</b> (Area in Hectares)	<b>No. of Leases</b> 15	<b>Lease Area</b> 302.69
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C) **Mines Reporting Production** :

	No. of Mines		Production (Tonnes)	
	2020-21	2021-22(p)	2020-21	2021-22(p)
<b>INDIA</b>	4	3	103902	108383
<b>Public Sector</b>	-	-	-	-
<b>Private Sector</b>	4	3	103902	108383
<b>Captive</b>	1	1	103590	107785
<b>Non-captive</b>	3	2	312	598
<b>'A' Category</b>	1	1	103590	107785
<b>'B' Category</b>	3	2	312	598
<b>STATE</b>				
Rajasthan	4	3	103902	108383

D) **Production Trend** :

	2017-18	2018-19	2019-20	2020-21	2021-22(p)
<b>Quantity (Tonnes)</b>	153049	184063	124757	103902	108383
<b>Value (Rs. '000)</b>	126025	172013	139695	122210	99265

E) <b>Closing Stock</b>	:	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21</b>	<b>2021-22(p)</b>
Quantity (Tonnes)		25518	82594	103115	118407	137750

F) **Employment** :

<b>Average Number of Persons Employed per Day</b>	219	191
<b>Percentage Share of Employment to Total for MCDR Minerals</b>	0.20	0.17

<b>G) Domestic Consumption Trend:</b>	<b>2017-18</b>	<b>2018-19(r)</b>	<b>2019-20(p)</b>	<b>2020-21</b>	<b>2021-22</b>
Quantity (Th. Tonnes)	144 <sup>D</sup>	127 <sup>D</sup>	104 <sup>D</sup>	N.A.	N.A.

**H) Exports/Imports Trend:**

<b>Exports</b>	<b>2017-18</b>	<b>2018-19</b>	<b>2019-20</b>	<b>2020-21(r)</b>	<b>2021-22(p)</b>
<b>Quantity (Tonnes)</b>	12478	13786	14582	13716	11705
<b>Value (Rs. crore)</b>	22.49	27.91	29.86	31.18	28.23
<b>Percentage Share to the Value of Exports of All Minerals</b>	0.01	0.01	0.02	0.02	0.01
<b>Imports</b>					
<b>Quantity (Tonnes)</b>	11461	26483	22616	24049	30625
<b>Value (Rs. crore)</b>	15.64	33.16	29.48	37.04	67.57
<b>Percentage Share to the Value of Imports of All Minerals</b>	++	++	++	++	++

**I) Exports/Imports by Country in 2021-22 :**

<b>Exports</b>	<b>Belgium</b>	<b>Hungary</b>	<b>Germany</b>	<b>Japan</b>	<b>UK</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	6723	1334	1240	1078	383	947
<b>Value (Rs. crore)</b>	16.78	2.71	3	2.37	1.04	2.33
<b>Imports</b>	<b>China P Rp</b>	<b>Mexico</b>	<b>Canada</b>	<b>Belgium</b>	<b>USA</b>	<b>Others</b>
<b>Quantity (Tonnes)</b>	30294	133	80	50	41	27
<b>Value (Rs. crore)</b>	64.74	1.06	0.51	0.76	0.32	0.46

**J) Wollastonite Mines in 2021-22 :**

<b>Name Of Mine</b>	<b>Location Of Mine</b>	<b>Address Of Mine Owner</b>
Kheratarla	Vill. Khera Distt. Udaipur Rajasthan	Wolkem Industries Ltd., P.B. 21, E-101, Mewar Industrial Area, Madri, Udaipur – 313 003, Rajasthan.
Kotra (22/02)	Vill. Kotra Distt. Ajmer Rajasthan	Renu Atre, C-378, Pardhan Marg, Malviya Nagar, Jaipur – 302 017, Rajasthan.
Chaura Nimberi	Vill. Chaura Nimberi Distt. Ajmer Rajasthan	Sadhana Bhargava C-57, Shiv Margdundlod Colony, Distt : Jaipur – 302 005, Rajasthan.

**K) Contribution of above Mines in 2021-22 :**

<b>Quantity (Tonnes)</b>	108383
<b>Percentage Share to All-India Production :</b>	100

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**D :** Despatches.