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Dated:-

**MONTHLY SUMMARY ON
NON-FERROUS MINERALS & METALS**

January, 2022

**GOVERNMENT OF INDIA
MINISTRY OF MINES**

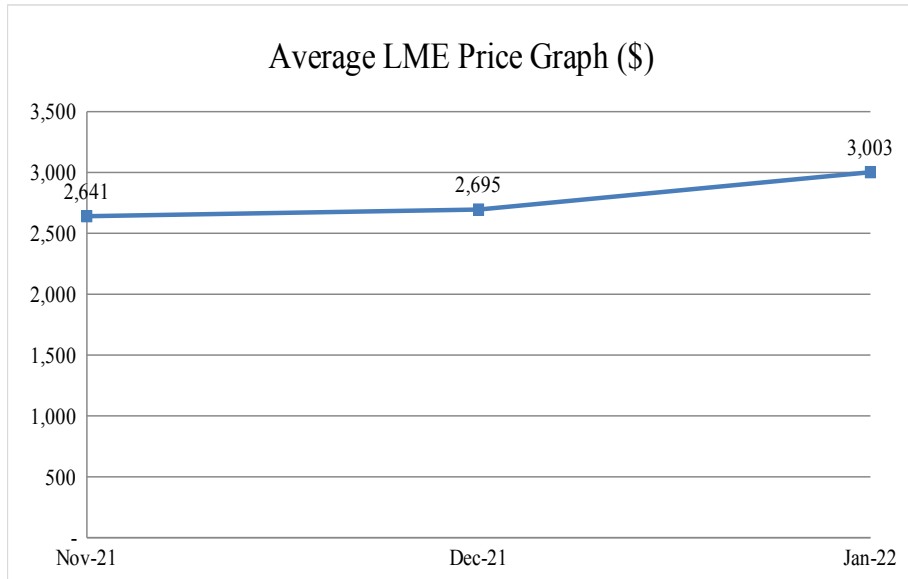
1. ALUMINIUM

1.1 Global scenario

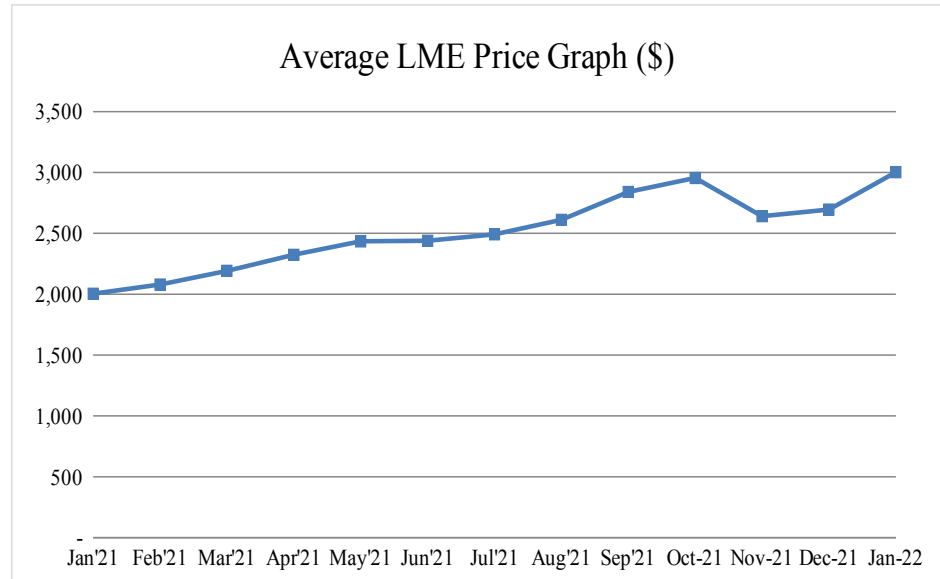
➤ The world production of Aluminium Metal during October-December, 2021 was about 16.62 million tonnes against world consumption of 16.56 million tonnes, resulting in a market deficit of 0.06 million tonnes. It is estimated that during January-March, 2022, world consumption of Aluminium Metal would be 16.49 million tonnes against world production of around 16.19 million tonnes, implying a slight deficit of 0.30 million tonnes. The share of India in the world production was 6.14 % during October-December, 2021.

Price Outlook:

➤ The average London Metal Exchange (LME) price for January, 2022 was US \$3003/tonne as against US \$2004/tonne in January, 2021 there by registering an increase of 49.85%.. The average LME price during the year 2020-21 was US \$1802 per tonne.



Price Graph for 3 Months



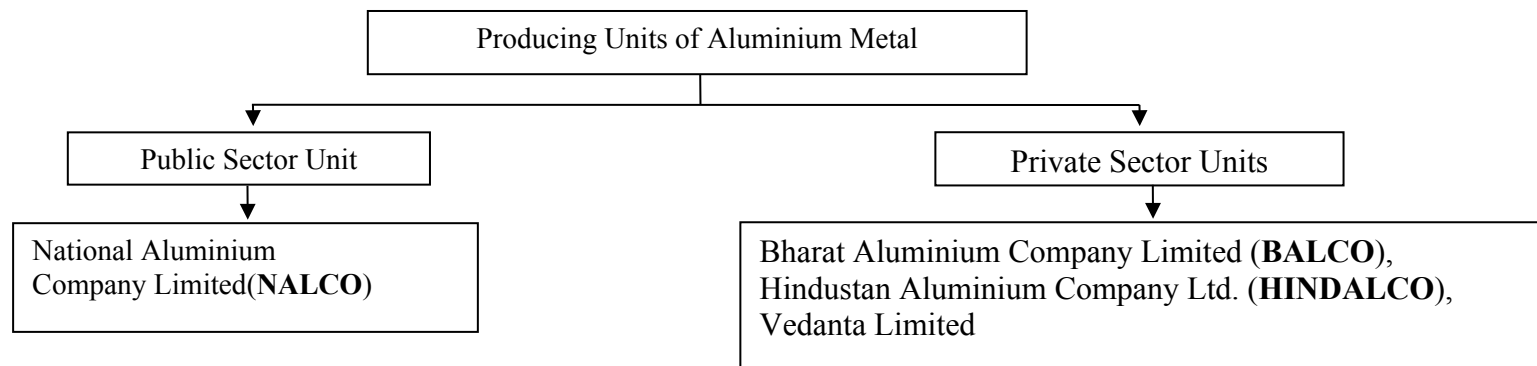
Price Graph for 1 Year

Source:- LME Aluminium Price Data

1.2

Domestic Scenario

In India, following are the domestic producing units of aluminium metal during the month of **January, 2022**:



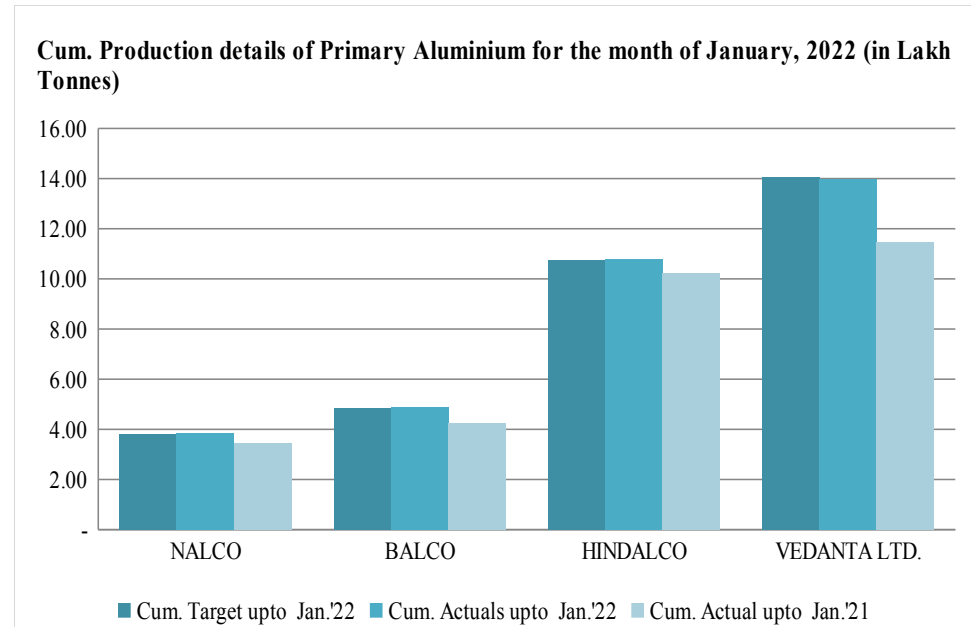
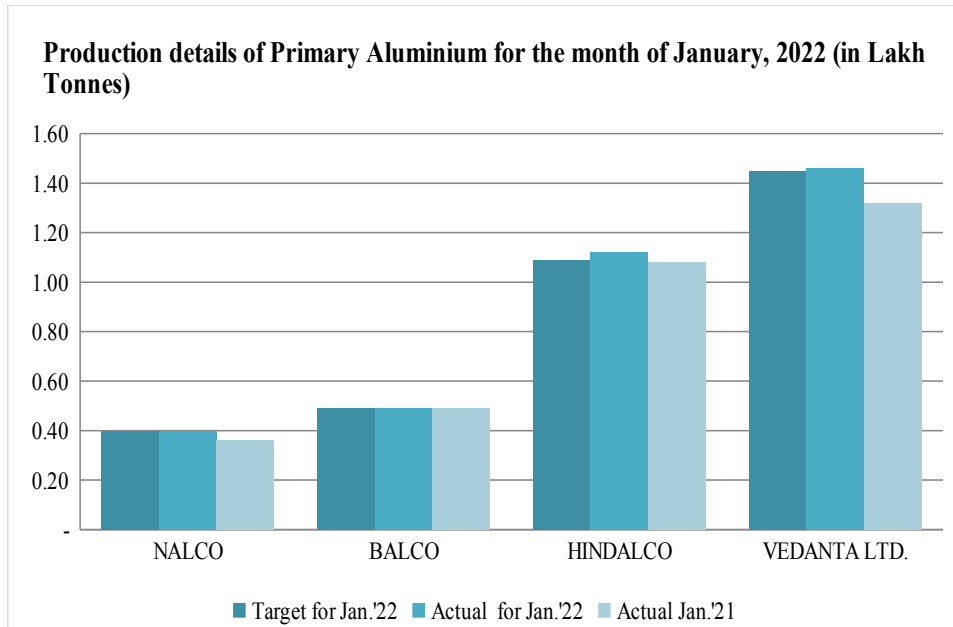
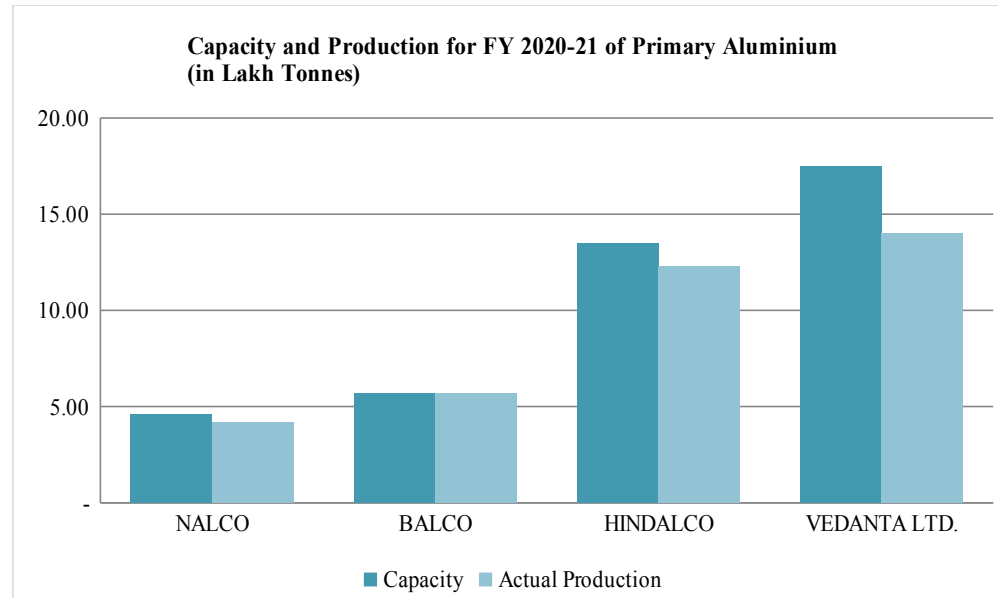
Production during the month of **January, 2022** was as follows:

(Unit: Lakh Tonnes)

Company	Existing capacity	January, 2022 Production		Cumulative Production (up to January, 2022)		Cum. Actual Production up to January, 2021
		Target	Actual	Target	Actual	
NALCO	4.60	0.40	0.41	3.80	3.84	3.44
BALCO	5.70	0.49	0.49	4.86	4.87	4.75
HINDALCO*	13.46	1.09	1.12	10.76	10.8	10.22
VEDANTA LTD.	17.50	1.45	1.46	14.05	13.98	11.45
Total	41.26	3.43	3.48	33.47	33.49	29.86

NALCO produced 40,694 Metric Tonne of Aluminium and sold 41,488 Metric Tonne of Aluminium metal in **January, 2022**

* Renukoot, Hirakund, Mahan, Aditya Aluminium.



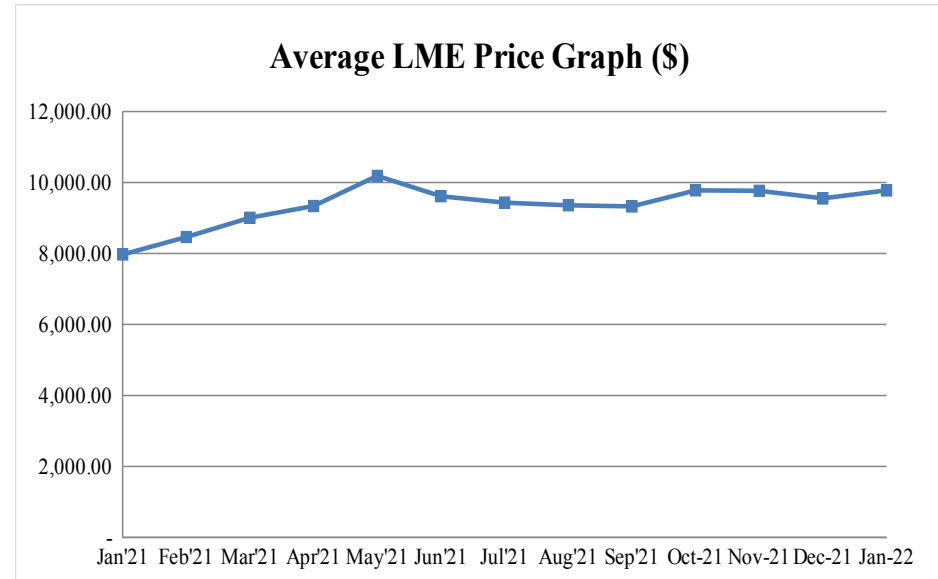
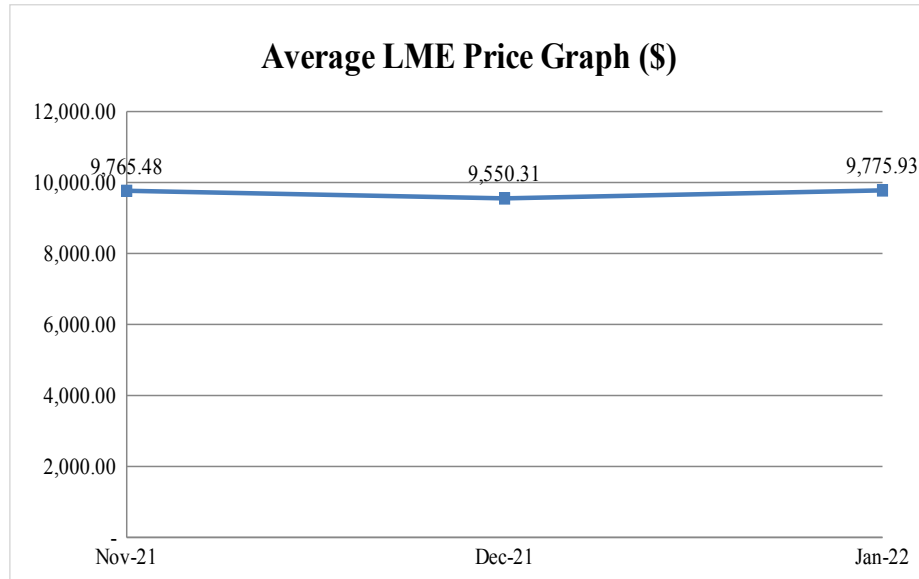
2. COPPER

2.1 Global scenario

- The world Copper Mine production from April to October, 2021 was about 12,315 thousand metric tonnes. The share of India in the world production was 14.766 thousand metric tonnes i.e. 0.12% during April to October 2021.
- The world Copper Refined Production from April to October, 2021 was about 14,499 thousand metric tonnes against world consumption of 14,923 thousand metric tonnes. As per ICSG forecast dated 07.10.2021 for the Calendar Year 2021, world Refined Copper production and consumption are projected as 24,927 & 24,989 thousand metric tonnes respectively. The share of India in the world production was 1.83% during April to October, 2021.

Price Outlook:

- The average LME price in January, 2022 was US \$9775.93 per tonne compared to average LME of US \$7970.50 per tonne in January, 2021, thereby registering an increase by 22.65%. The average LME price during the year 2020-21 was US \$6878.71 per tonne.



2.2 Domestic scenario

Price Graph for 3 Months

Price Graph for 1 Year

- The size of Indian copper industry (consumption of refined copper per annum) is around 6.6 lakh tonnes, which as percentage of world copper market is only three percent.
- Sterlite Industries (Vedanta Ltd.), Hindalco Industries and Hindustan Copper Ltd. are major producers of refined copper in India.
- Production in India has declined significantly due to the permanent closure order issued to Vedanta's smelter/ refinery plant by Government of Tamil Nadu in May, 2018.

The production of copper cathode in the organized sector by the public sector unit viz. Hindustan Copper Ltd. (**HCL**), and private sector units viz. Hindalco Industries Ltd. (**HINDALCO**, Unit Birla Copper) and Sesa Sterlite Ltd. (**SSL**) in the country, during the month of **January, 2022** was as follows:

(Unit: Lakh Tonnes)

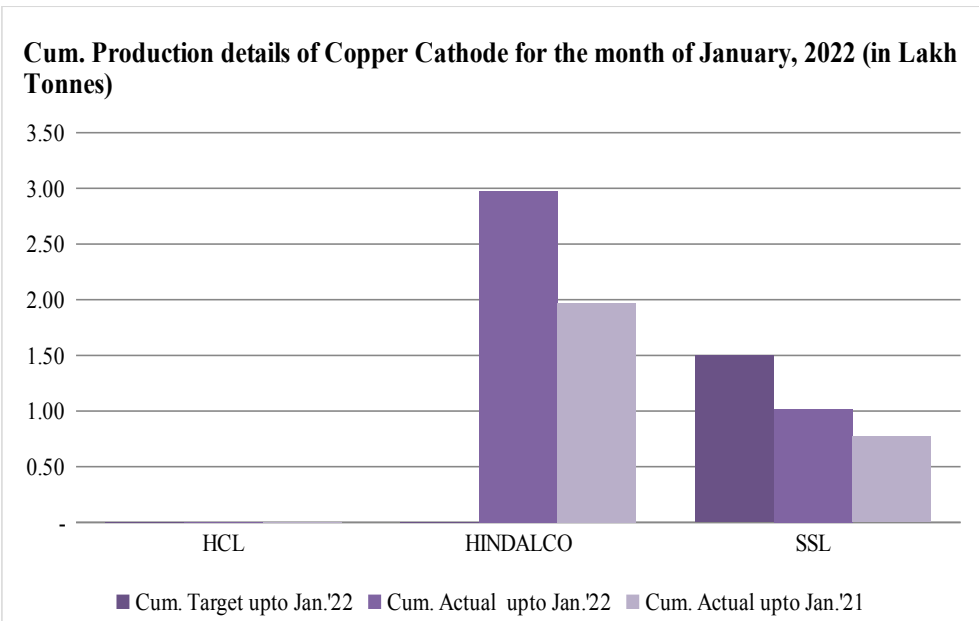
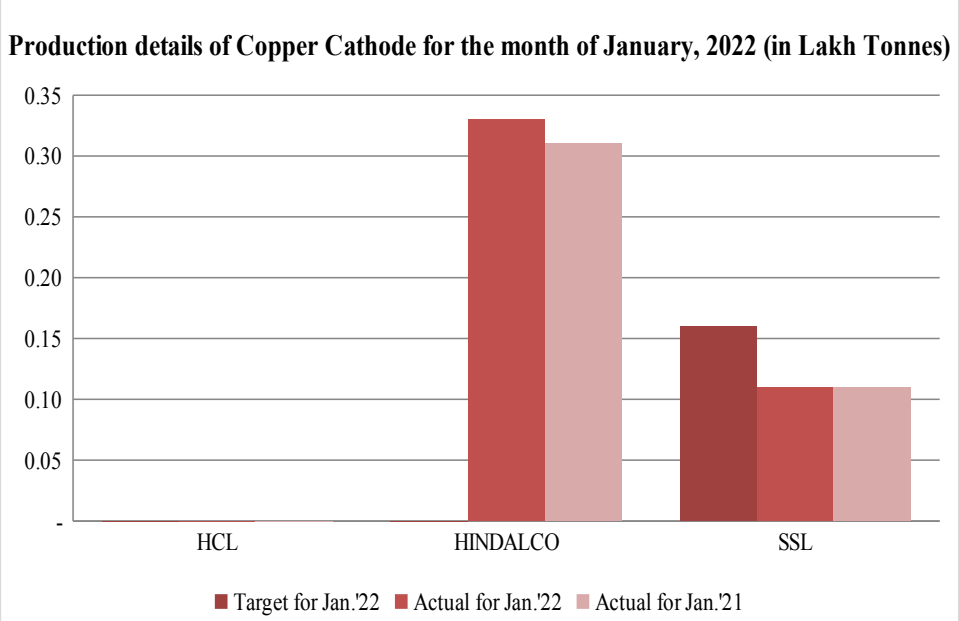
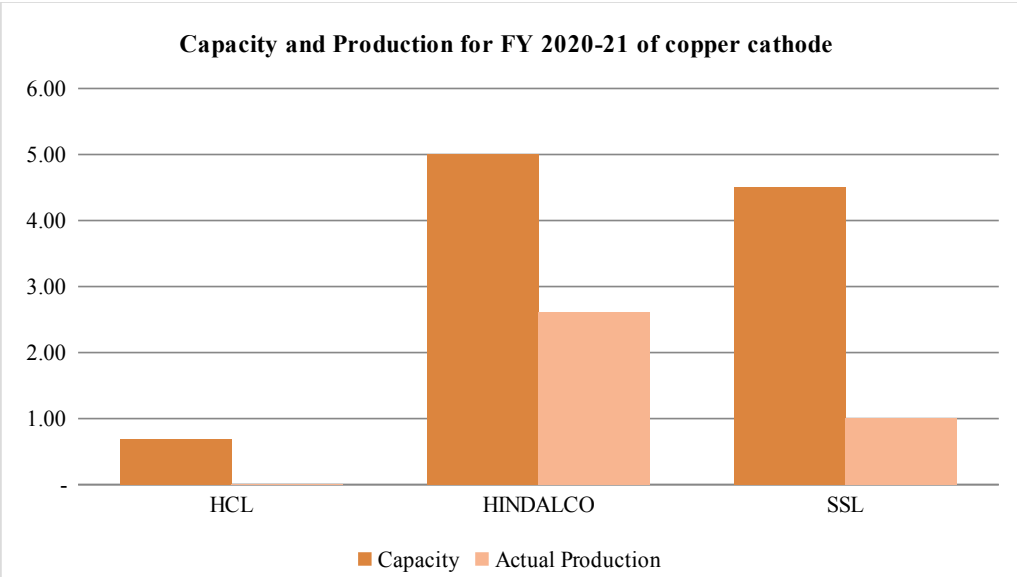
Company	Existing capacity	Production January, 2022		Cumulative Production (up to January, 2022)		Cum. Actual Production upto January, 2021
		Target	Actual	Target	Actual	
HCL	0.69*	Nil	Nil	Nil	0.0062	Nil
HINDALCO	5.00	**	0.33	**	2.98	1.97
SSL	2.16***	0.16	0.11	1.50	1.02	0.77
Total	7.85	0.16	0.44	1.50	4.0062	2.74

Note:

* Installed capacity has been declared on the basis of revised installed capacity of HCL (GCP unit: 50,000 tonnes p.a.; ICC unit: 18,500 tonnes p.a.; and KCC unit is NIL).

** Depends upon various economic factors (w.r.t. copper cathode figures of Hindalco).

***The capacity came down as Sesa Sterlite Ltd. (**SSL**), Tuticorin plant has been shut down.



As of the end of **December, 2021** the total copper stocks held at the major metal exchanges (LME, COMEX, SHFE) is 1,90,930 tonnes, a **decrease** of 60,245 tonnes from stocks held at the end of December, **2020**. Stocks were down at LME, COMEX & SHFE.

Factors influencing Copper Markets:-

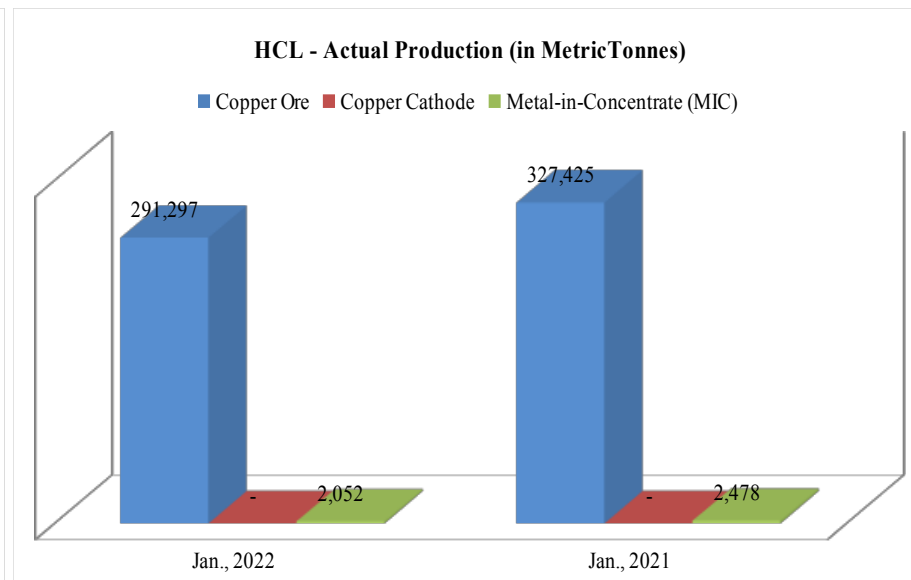
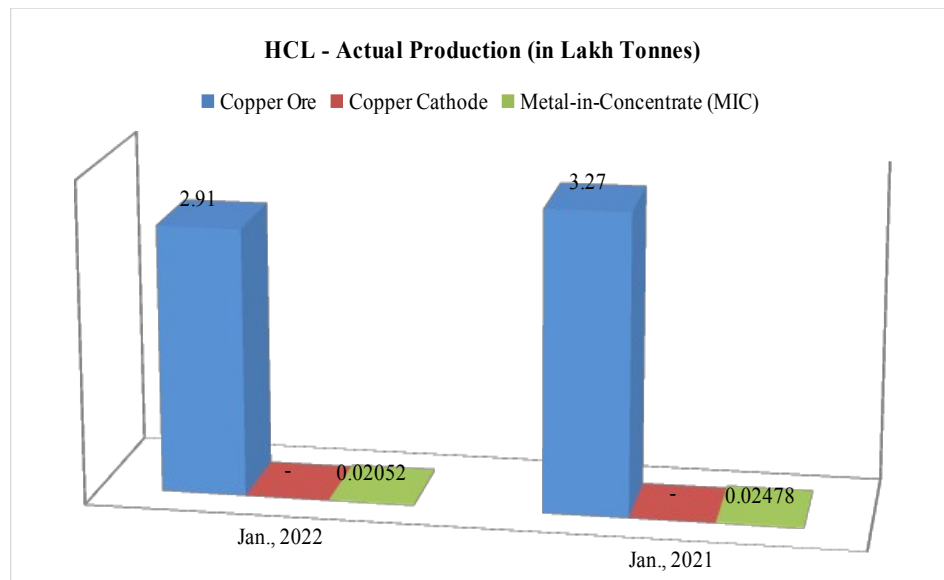
- Copper prices in India are fixed on the basis of the rates that rule on LME and Rupee & US Dollar exchange rate.
- Economic growth of the major consuming countries such as China, USA, Japan, Germany, India etc.
- Growth and development in the Infrastructure, Real-estate, Telecom and Electrical Industry, Renewal Energy and Electrical Vehicle Sector.
- Surplus/Deficit in copper market.

Overall Performance of Hindustan Copper Limited:

HCL is the only domestic producer of **Copper Ore**. The production of Copper Ore during January, 2022 was 2.91 lakh tonnes. Production during the corresponding period in the previous year was 3.27 lakh tonnes.

The production of **Copper metal** (cathode) by HCL during January, 2022 is NIL. HCL is selling Metal-in-Concentrate (MIC) in the market directly. The production of refined Copper (cathode) by HCL during the corresponding period in the previous year was NIL. The MIC production of HCL during January, 2022 was 2,052 tonnes and it was 2,478 tonnes during the corresponding period in the previous year.

Sr. No.	Particulars	Actual Production (in Metric Tonnes)	
		January, 2022	January, 2021
1	Copper Ore	2,91,297	3,27,425
2	Copper Cathode	Nil	Nil
3	Metal-in-Concentrate (MIC)	2,052	2,478



During the month of January, 2022 production of Metal-in-Concentrate, Cathode and CC Wire Rod was 80%, 0% and 0% of the targets respectively. The sale of copper (cathode, cc wire rod and MIC) during the month of January, 2022 was 55% of the target.

Physical Performance of Hindustan Copper Limited

Items	Existing capacity	Production January, 2022		Cumulative Production (up to January, 2022)		Cum. Actual Production upto January, 2021
		Target	Actual	Target	Actual	
Metal in Concentrate (MIC)	****	2,554	2,052	25,735	21,127	19,117
CC Copper Wire Rods ***	60,000	500	-	5000	864	1160

Note: MIC produced from ore in HCL has been directly sold in the market. ***
(CC Wire rods production target for FY 2021-22 is only for third party tolling)****

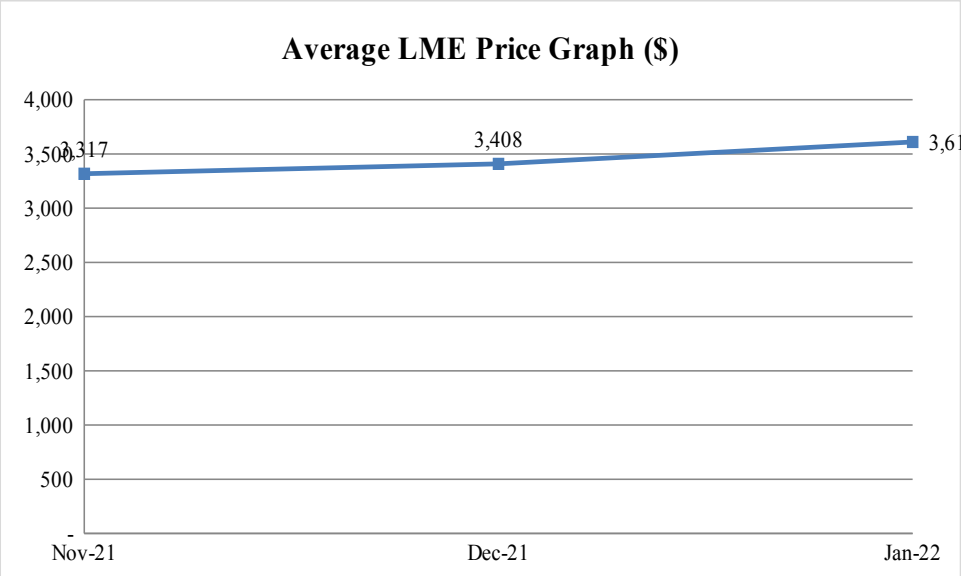
3. **ZINC**

Global scenario

➤ The world Zinc Metal production from April to November, 2021 was about 9,287 thousand metric Tonnes against world consumption of 9,501 Thousand metric Tonnes. The share of India in the world Zinc Metal production was 5% during April to November, 2021.

Price Outlook:

➤ The average London Metal Exchange (LME) price for January, 2022 was US \$3610/tonne as against US \$2707.7/tonne in January, 2021 there by registering an increase of 33.32%. The average LME price during the year 2020-21 was US \$ 2422 per tonne.



Price Graph for 3 Months

Source:- LME Zinc data

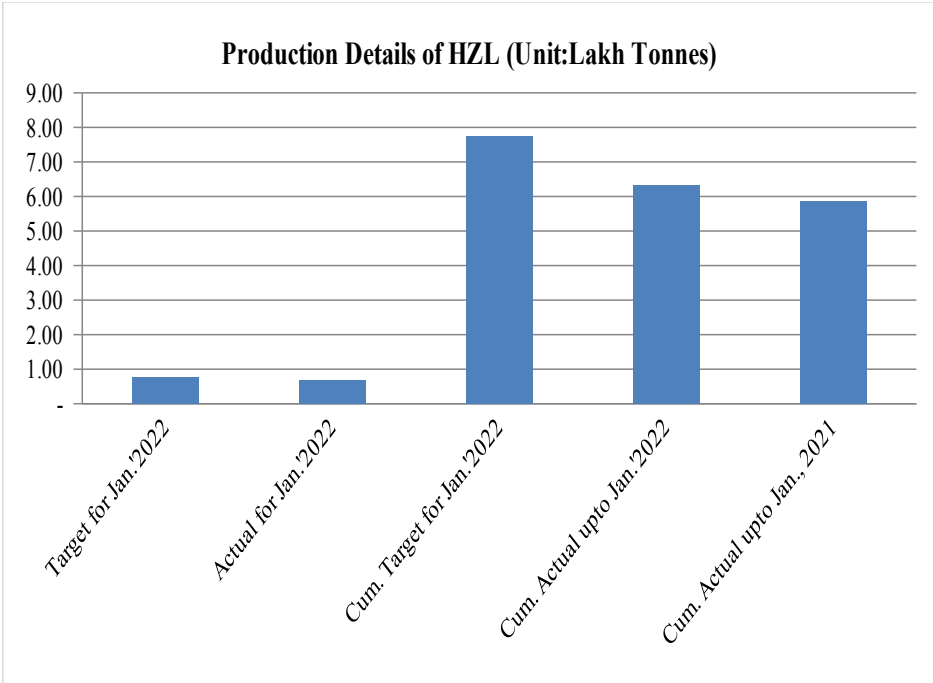
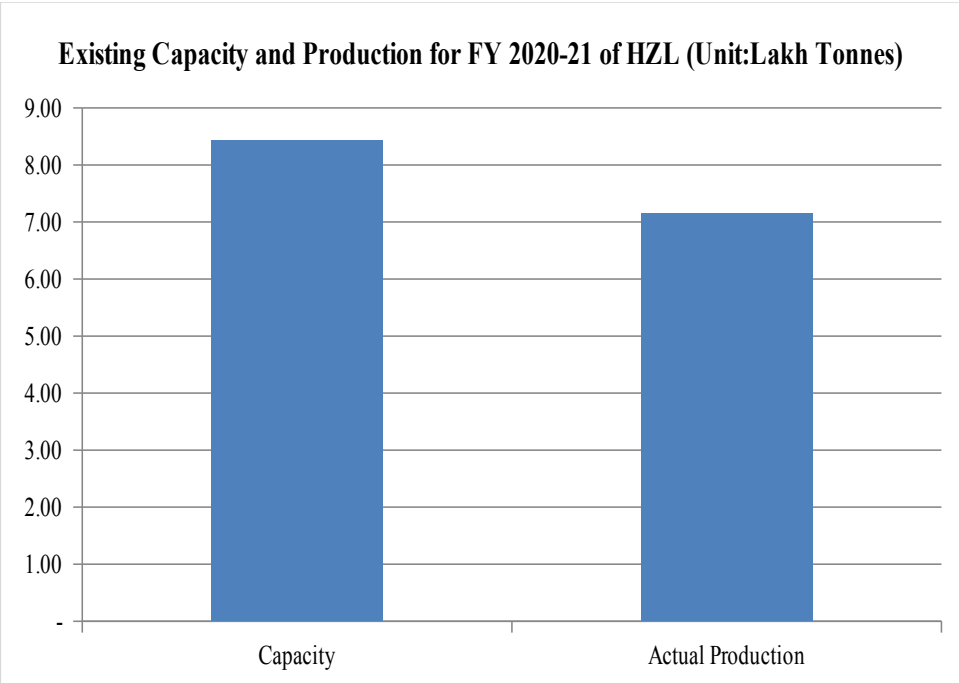
Domestic Scenario

In India, the main producers of Zinc are Hindustan Zinc Limited (**HZL**) (Government of India holds 29.54% of equity share).

Production details of above company are as below:

(Unit: Lakh Tonnes)

Company	Existing capacity	Production January, 2022		Cumulative Production (up to January, 2022)		Actual Cumulative Production upto January, 2021
		Target	Actual	Target	Actual	
HZL	8.43	0.77	0.68	7.75	6.32	5.86



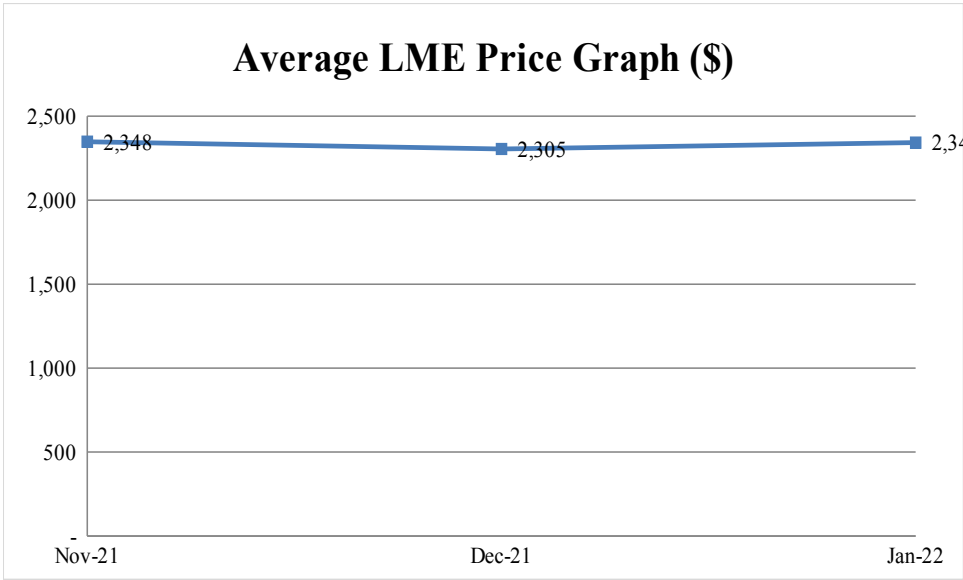
4. LEAD

Global scenario

➤ The world Lead Metal production during April to November, 2021 which was about 8,096 thousand metric tonnes world consumption of 8,084 thousand metric tonnes. The share of India in the world Zinc Metal production was 7% during April to November, 2021.

Price Outlook:

➤ The average London Metal Exchange (LME) price for January, 2022 was US \$2342.7/tonne as against US \$2014.9/tonne in January, 2021 there by registering an increase of 16.27%. The average LME price during the year 2020-21 was US \$ 1868 per tonne.



Price Graph for 3 Months

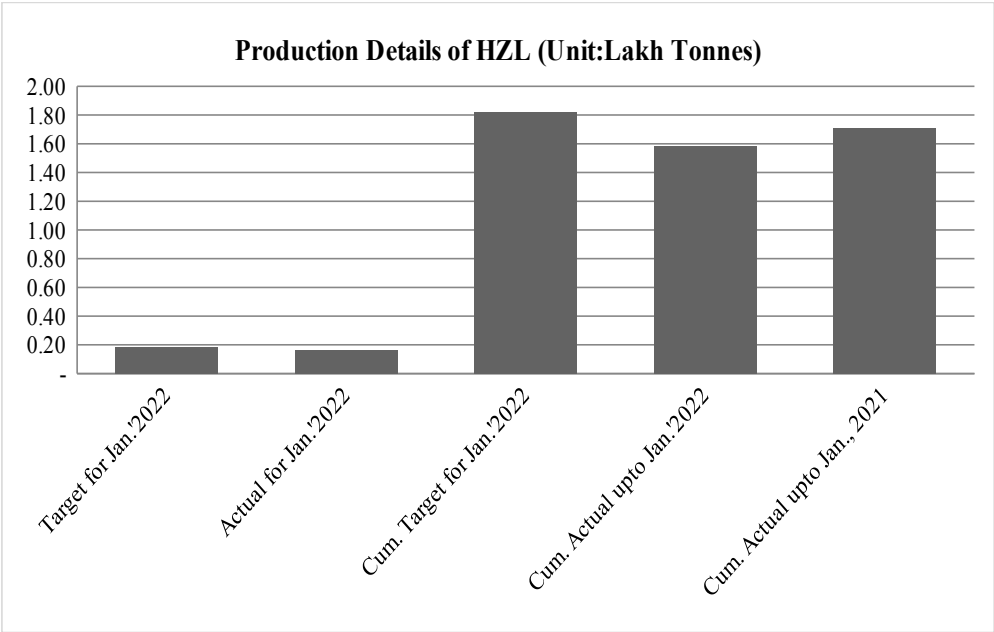
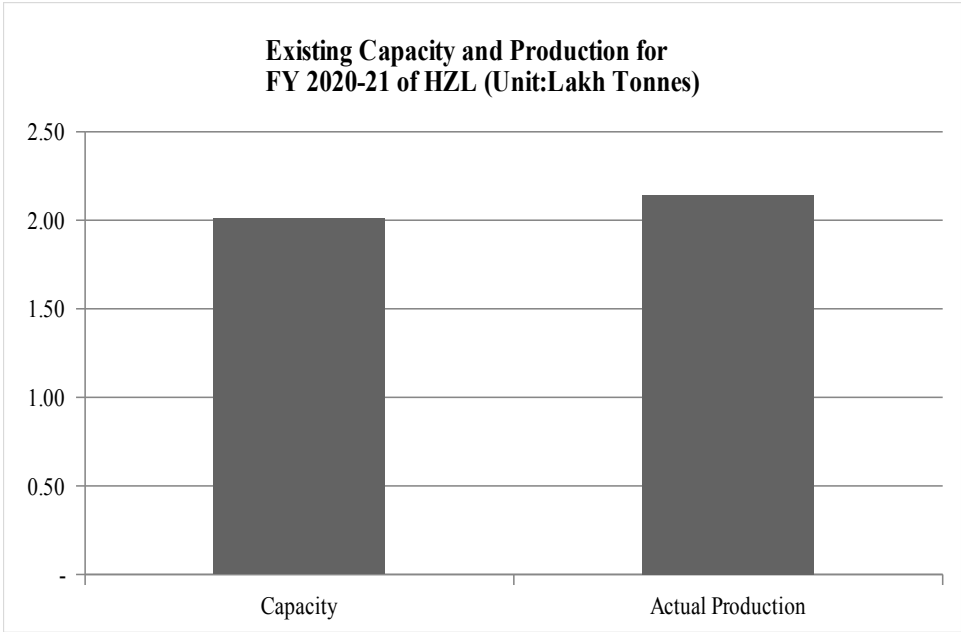
Source:- LME Lead data

Domestic scenario

The production details of Hindustan Zinc Limited (HZL) is given below:

(Unit: Lakh Tonne)

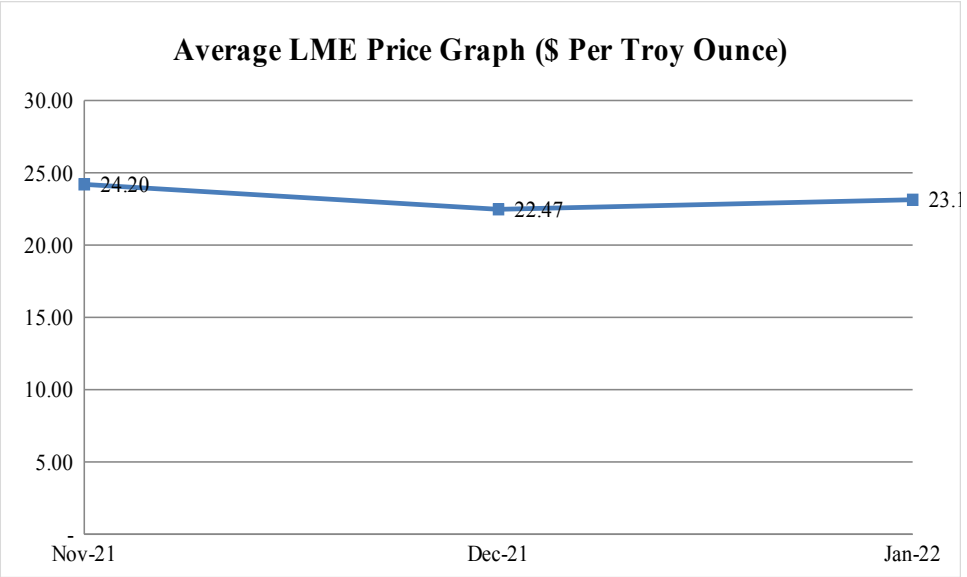
Company	Existing capacity	Production January, 2022		Cumulative Production (up to January, 2022)		Actual Cumulative Production upto January, 2021
		Target	Actual	Target	Actual	
HZL	2.01	0.18	0.16	1.82	1.58	1.71



5. SILVER

Price Outlook:

➤ The average London Metal Exchange (LME) price for January, 2022 was US \$23.13 Per Troy Ounce as against US \$25.9 Per Troy Ounce in January, 2021 there by registering a decrease of 10.69%. The average LME price during the year 2020-21 was US \$ 22.90 per Troy Ounce.



Price Graph for 3 Months

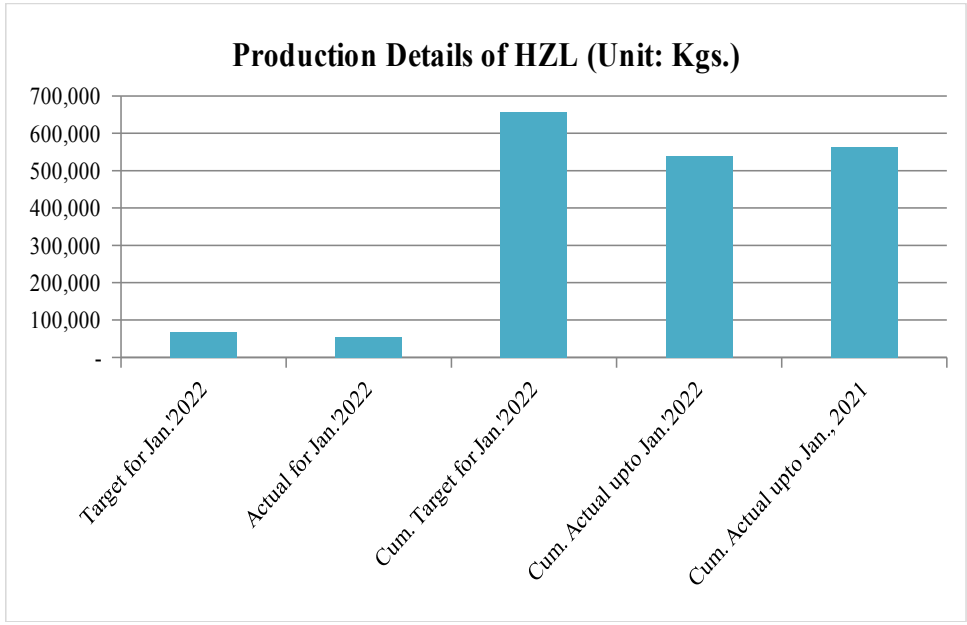
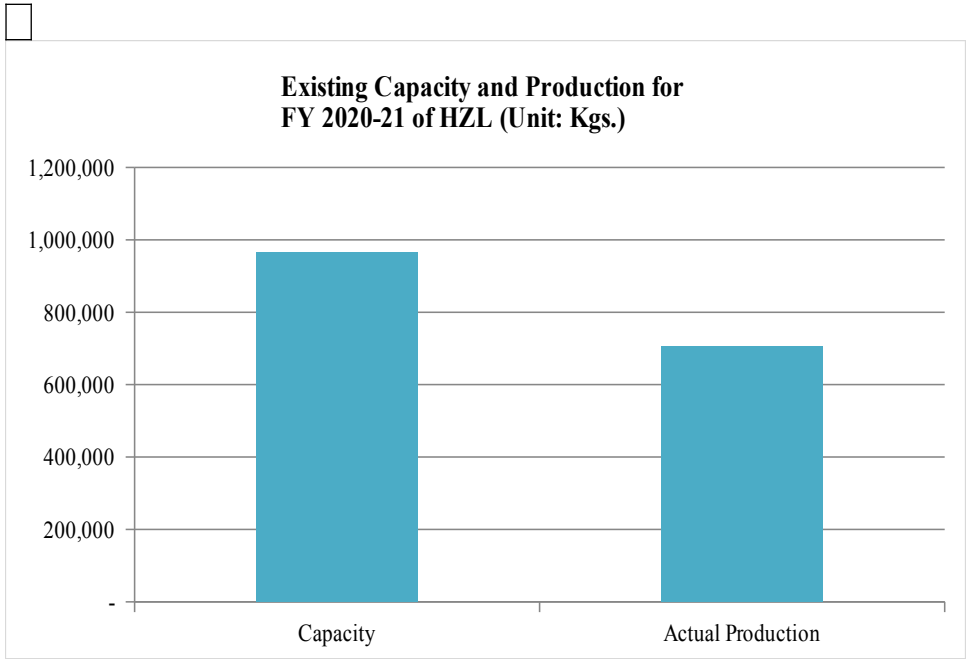
Source:- LME Silver data

Domestic scenario

The production details of Hindustan Zinc Limited (HZL) is given below:

(Unit: Kg)

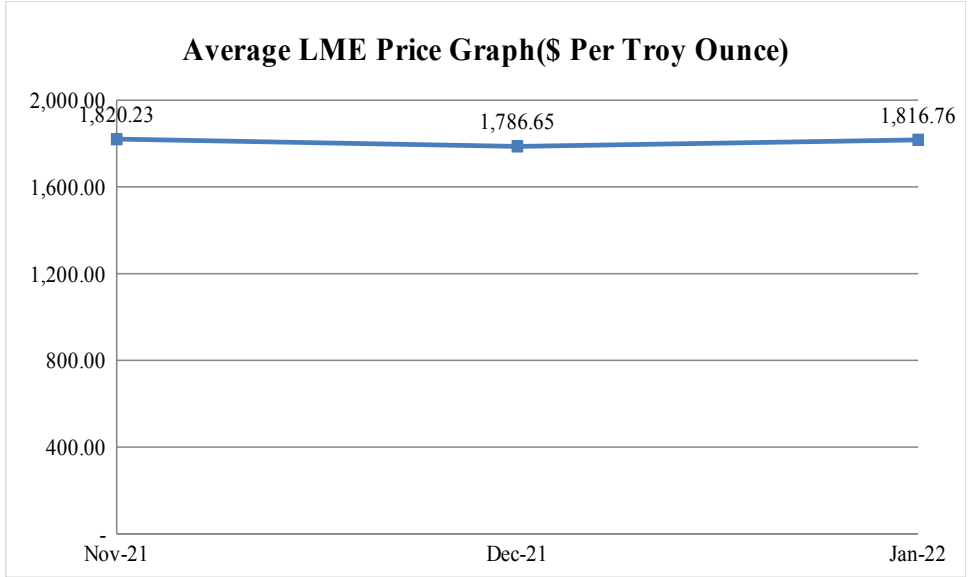
Company	Existing capacity	Production		Cumulative Production (up to January, 2022)		Actual Cumulative Production upto December, 2020
		January, 2022		Target	Actual	
		Target	Actual			
HZL	9,66,000	68,000	54,318	6,55,900	5,39,943	5,62,519



6. GOLD

Price Outlook:

➤ The average London Metal Exchange (LME) price for January, 2022 was US \$ 1816.76/- Per Troy Ounce as against US \$1866.98/Per Troy Ounce in January, 2021 there by registering a decrease of 2.68%. The average LME price during the year 2020-21 was US \$ 1823.28 per Troy Ounce.



Source:- LME Gold Price Data

Price Graph for 3 Months

Domestic scenario

The total production details of gold produced by Hutti Gold Mines Limited (**HGML**) and HINDALCO during the month of **January, 2022** are given below:
(Unit: Kg)

Name of the Company	Production in January, 2022
Hutti Gold Mines of HGML	105.04
UTI Gold Mine of HGML	0
Hira-Buddinni Gold Mine of HGML	0
HINDALCO	719.00

Total	824.04
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7. SURVEY, EXPLORATION & PRODUCTION OF MINERALS

In the Ministry of Mines, GSI and MECL carry out regional exploration and detailed exploration respectively:-

Geological Survey of India:

Minerals investigation. During the month of **January, 2022**, **2062.50 sq. km** of Large Scale Mapping (LSM), **43.33 sq. km** of Detailed Mapping (DM) and **14374.90 m** of Drilling (including spill over) were carried out against monthly pro-rata targets (*) of 1500 sq.km., 12 sq. km. and 10400 m respectively.

(*) Target based on outcome budget of 2021-22.

Mineral Exploration Corporation Limited

During **January, 2022** MECL achieved **28,816 Meter** of drilling against the target of 61,500 Meter.

Production of Minerals

Estimated value of mineral production covering metallic-ferrous and industrial minerals, but excluding fuel minerals, minor minerals and atomic minerals, in January, 2022, is **Rs. 10,746** Crore as against **Rs. 10,172** Crore for January, 2021.

Production of Iron Ore

Iron Ore production for the month of January, 2022 is 21.45 Million Tonnes (MT)(Provisional) as compared to 22.58 MT(Provisional) for January 2021. The cumulative production of Iron Ore for the period April-January 2021-22 is 204 MT(Provisional) as compared to 160.34 MT(Provisional) in April- January 2020-21.
