

# Mining Sector 1st QUARTER 2021

Apr/22/2021

# MINING PRODUCTION

## 1Q21\* BRAZILIAN MINERAL PRODUCTION

**227 million tons**

(+15% compared to 1Q20 – 198 million tons)

\*Values estimated based on the historical production of the following minerals:  
Construction Aggregates (54% share), Iron Ore (42% share), Bauxite, Phosphate, Manganese, Primary Aluminum, Concentrated Potassium, Contained Copper, Concentrated Zinc, Niobium Alloy, Contained Nickel, Gold.

Production amounts, in tons, will be confirmed after published by ANM.

# MINING SECTOR REVENUES

## 1Q21 x 1Q20 MINING SECTOR REVENUES

**BRAZIL  
1Q20**

**R\$ 36 billion**

**BRAZIL  
1Q21**

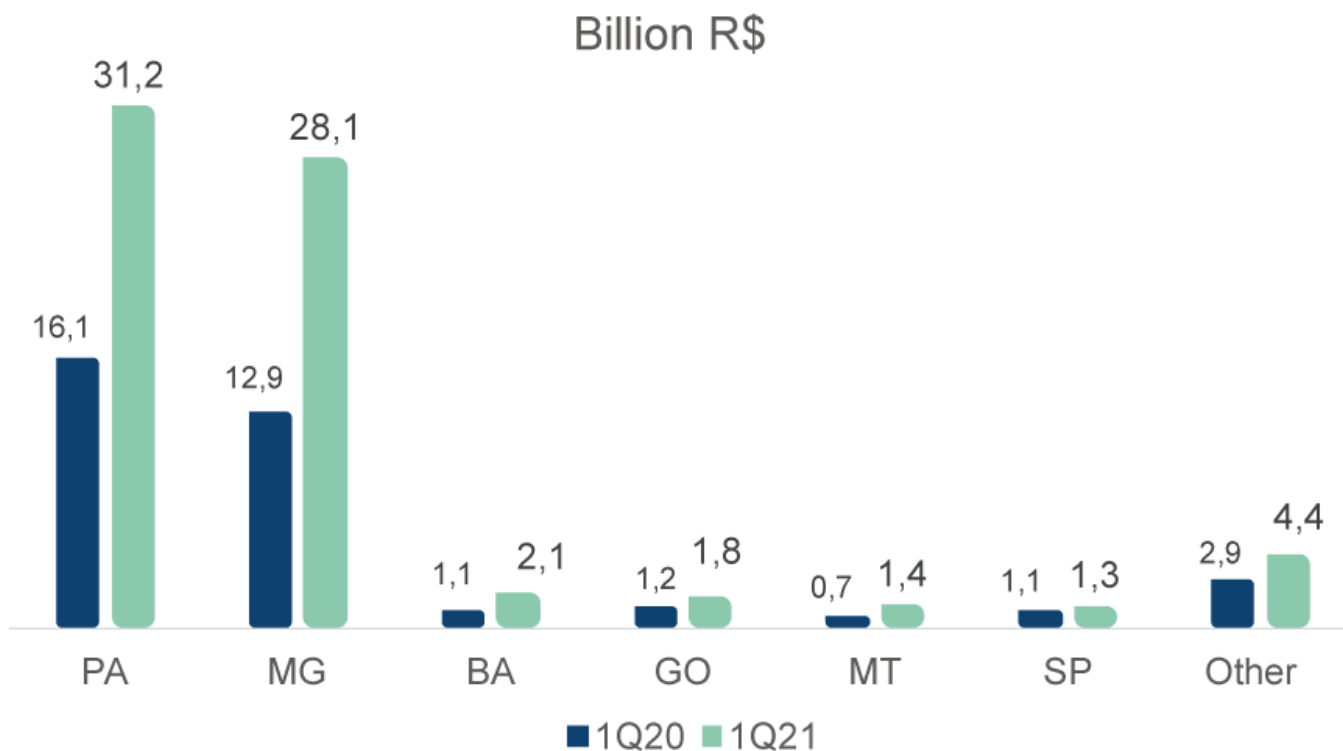
**R\$ 70 billion**

**INCREASE OF**

**95%**

SOURCE: ANM/prepared by IBRAM.

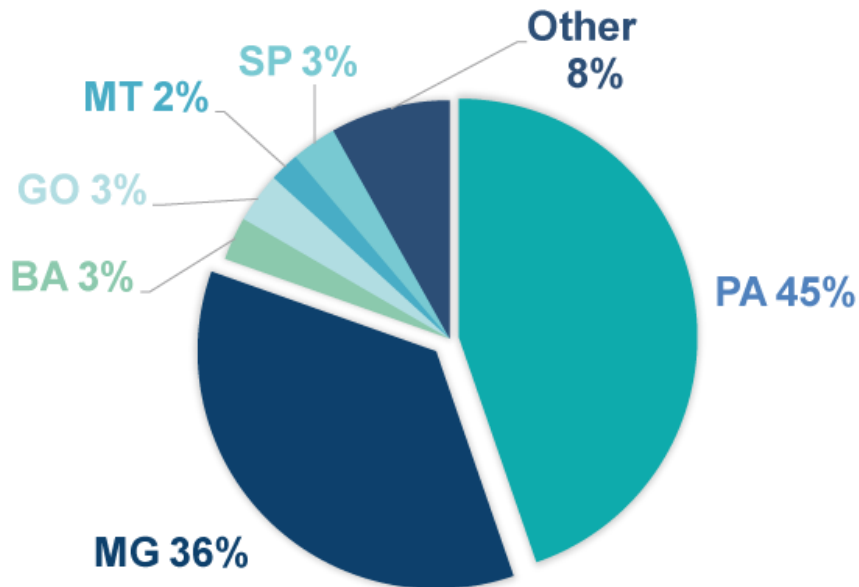
# 1Q21 X 1Q20 REVENUES PER STATE



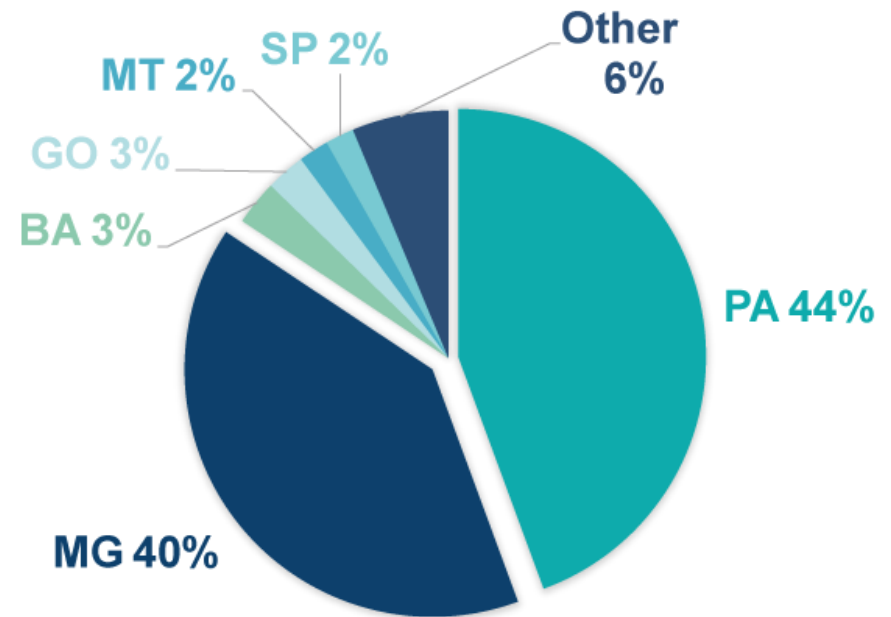
1Q21X1Q20	State	PA	MG	BA	GO	MT	SP
VARIATION (%)		94%	118%	94%	47%	90%	19%

# SHARE OF STATES IN TOTAL REVENUES

1Q20

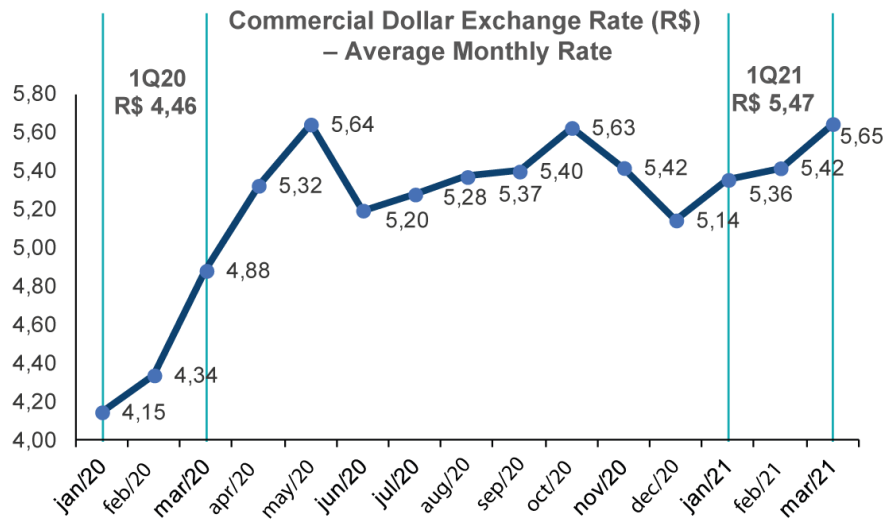
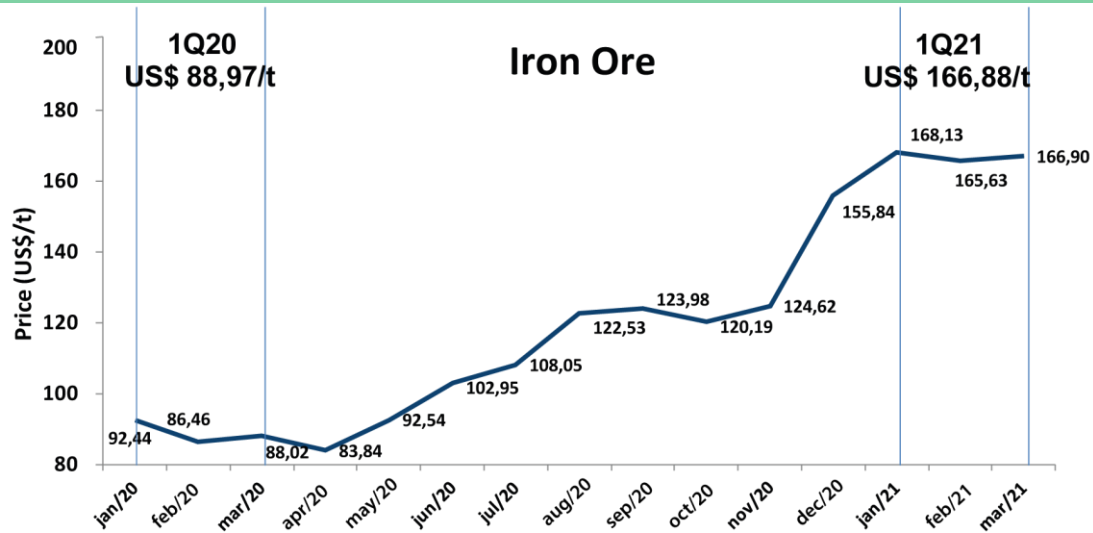


1Q21



SOURCE: ANM/prepared by IBRAM.

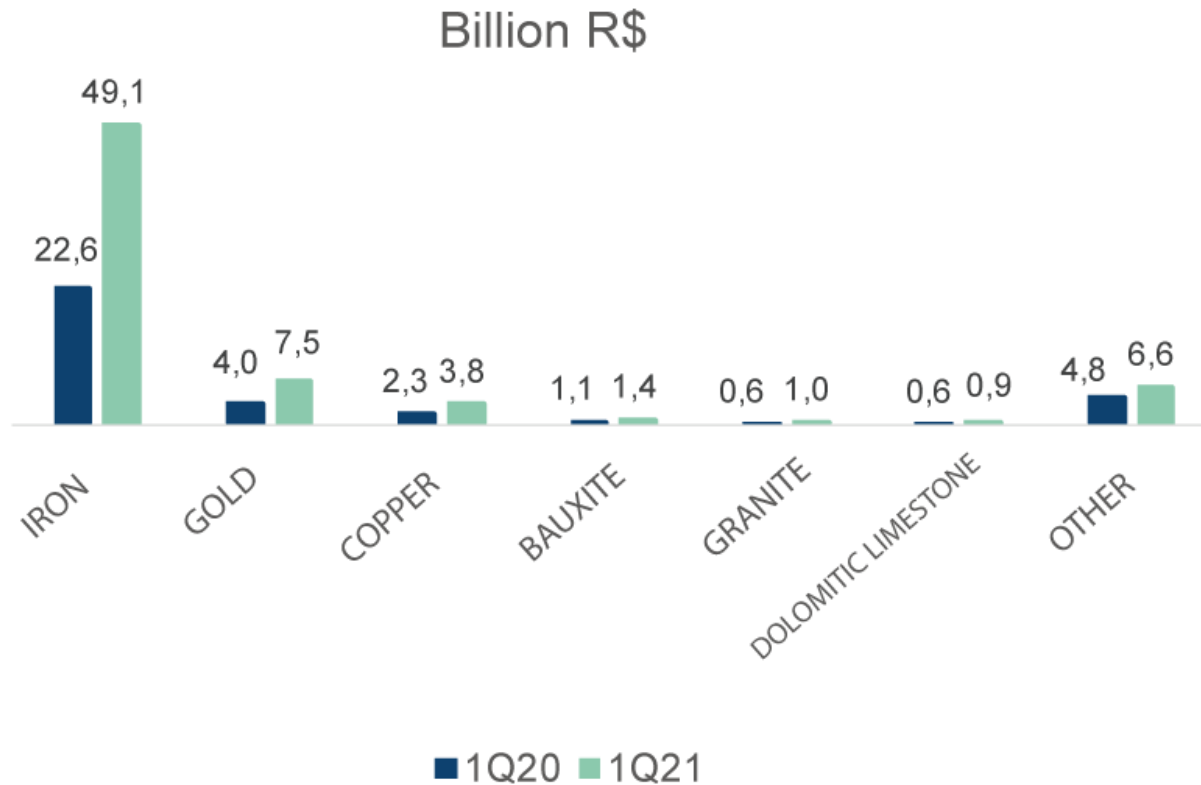
# EXCHANGE AND COMMODITIES PRICE



Average Quarterly Prices				
Commodities	Unit	1Q20	1Q21	1Q20 x 1Q21
Aluminum	US\$/t	1.690,63	2.091,66	23,7%
Lead	US\$/t	1.846,70	2.020,48	9,4%
Copper	US\$/t	5.632,34	8.478,58	50,5%
Tin	US\$/t	16.272,52	25.356,35	55,8%
Nickel	US\$/t	12.524,14	17.625,46	40,7%
Zinc	US\$/t	2.124,20	2.747,52	29,3%
Iron Ore	US\$/t	88,97	166,88	87,6%
Gold	US\$/oz	1.583,23	1.798,88	13,6%



# 1Q21 X 1Q20 REVENUES PER SUBSTANCE

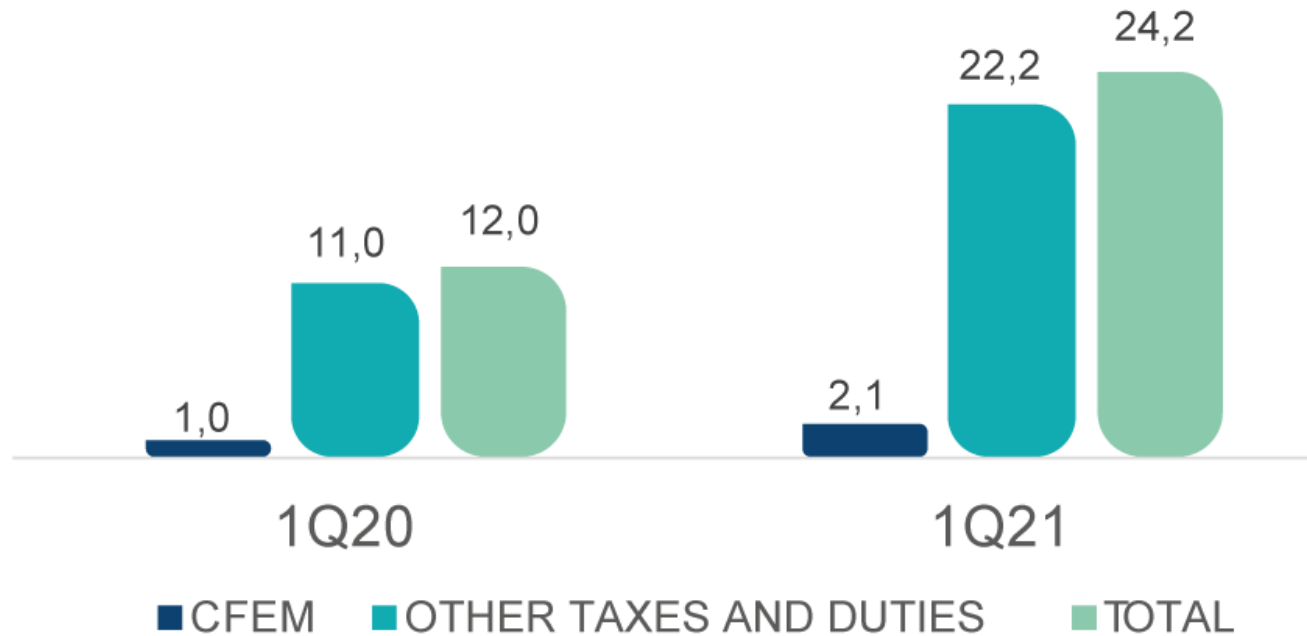


1Q21X1Q20	SUBSTANCE	IRON ORE	GOLD ORE	COPPER ORE	BAUXITE	GRANITE	DOLOMITIC LIMESTONE
	VARIATION (%)	118%	85%	67%	27%	51%	50%

# TAXES

# TAX AND DUTIES COLLECTION

Billion R\$

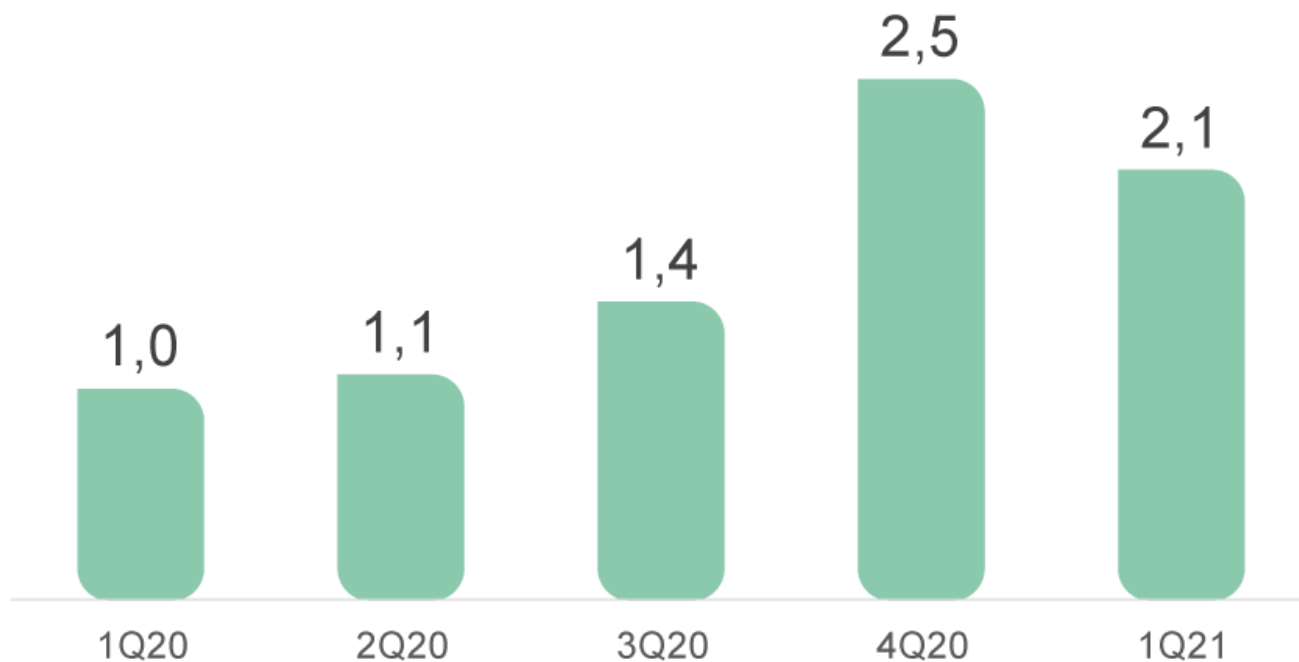


	<b>1Q21 x 1Q20</b>
CFEM	102,9%
OTHER TAXES AND DUTIES	101,5%
TOTAL	101,6%

Source: ANM, prepared by IBRAM

**CFEM**

Billion R\$

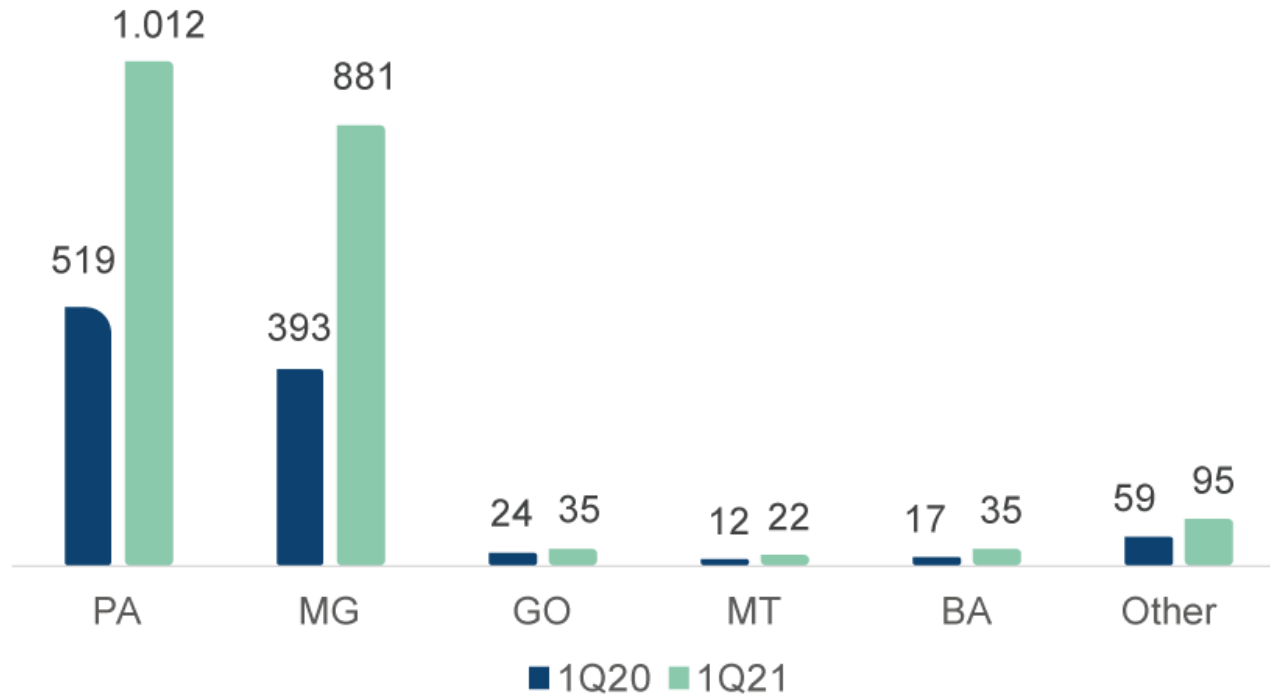


	Variation (%)
<b>1Q21 X 4Q20</b>	-17,6%
<b>1Q21 X 1Q20</b>	102,9%

Source: ANM, prepared by IBRAM

# CFEM COLLECTION PER STATE

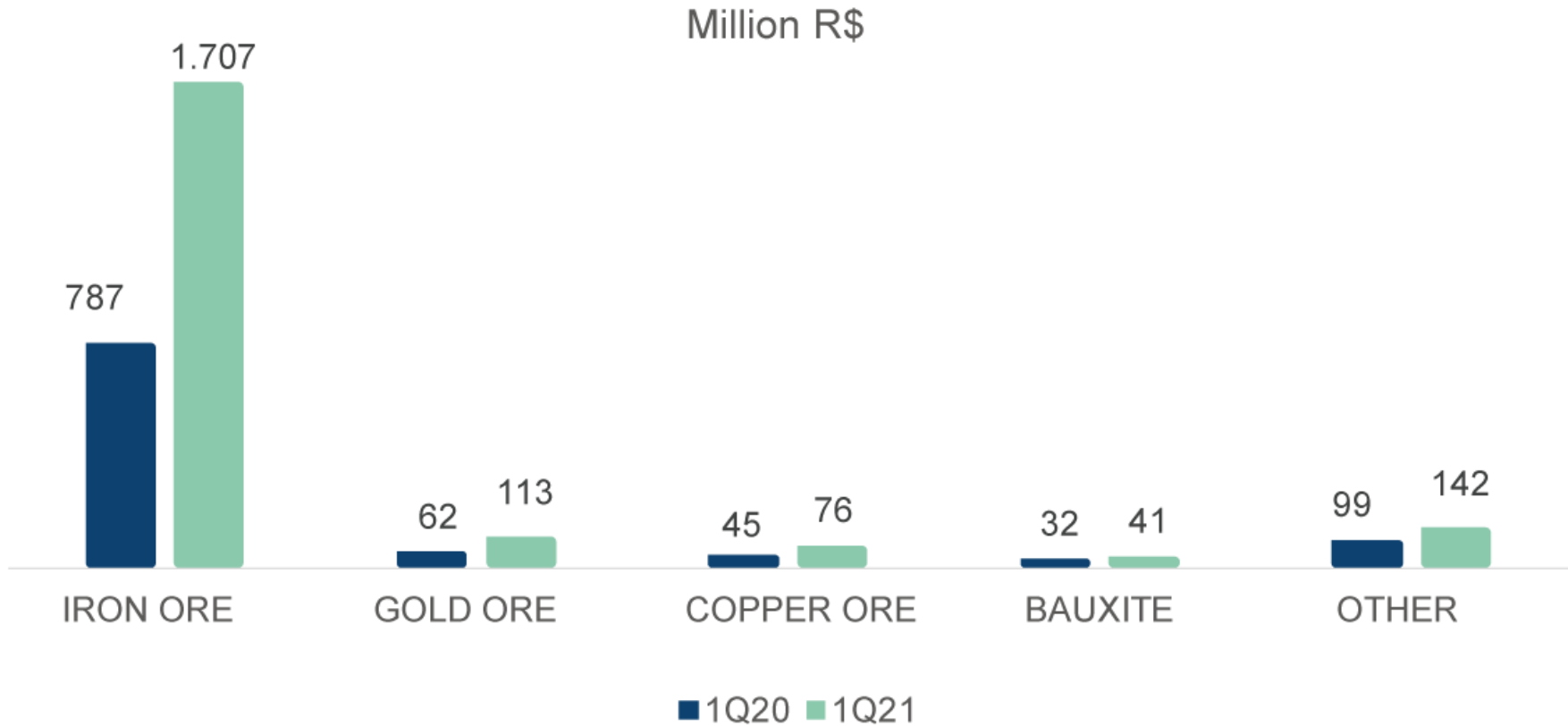
Milhões R\$



	PA	MG	GO	MT	BA
<b>1Q21X1Q20</b>	95%	124%	45%	75%	105%

Source: ANM, prepared by IBRAM

# CFEM COLLECTION PER SUBSTANCE



	IRON ORE	GOLD ORE	COPPER ORE	BAUXITE
1Q21X1Q20	117%	68%	68%	30%

Source: ANM, prepared by IBRAM

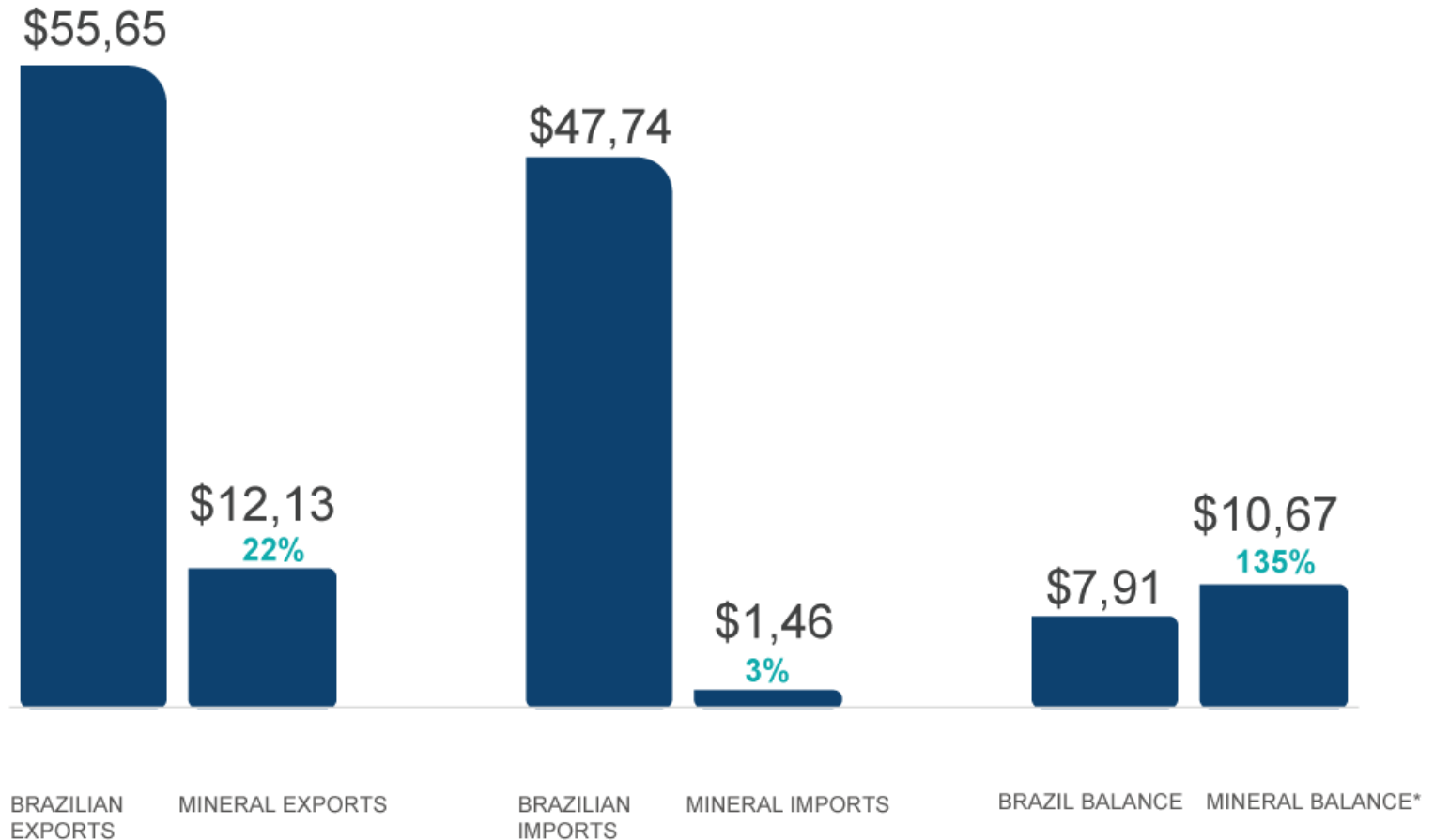
# FOREIGN TRADE



	1Q20	1Q21	VARIATION
	(Billion US\$ )	(Billion US\$)	%
<b>BRAZILIAN EXPORTS</b>	\$49.52	\$55.65	12.38%
<b>MINERAL EXPORTS</b>	\$6.98	\$12.13	73.74%
<b>BRAZILIAN IMPORTS</b>	\$43.96	\$47.74	8.61%
<b>MINERAL IMPORTS</b>	\$1.28	\$1.46	14.42%
<b>BRAZIL BALANCE</b>	\$5.56	\$7.91	42.17%
<b>MINERAL BALANCE*</b>	\$5.70	\$10.67	87.04%

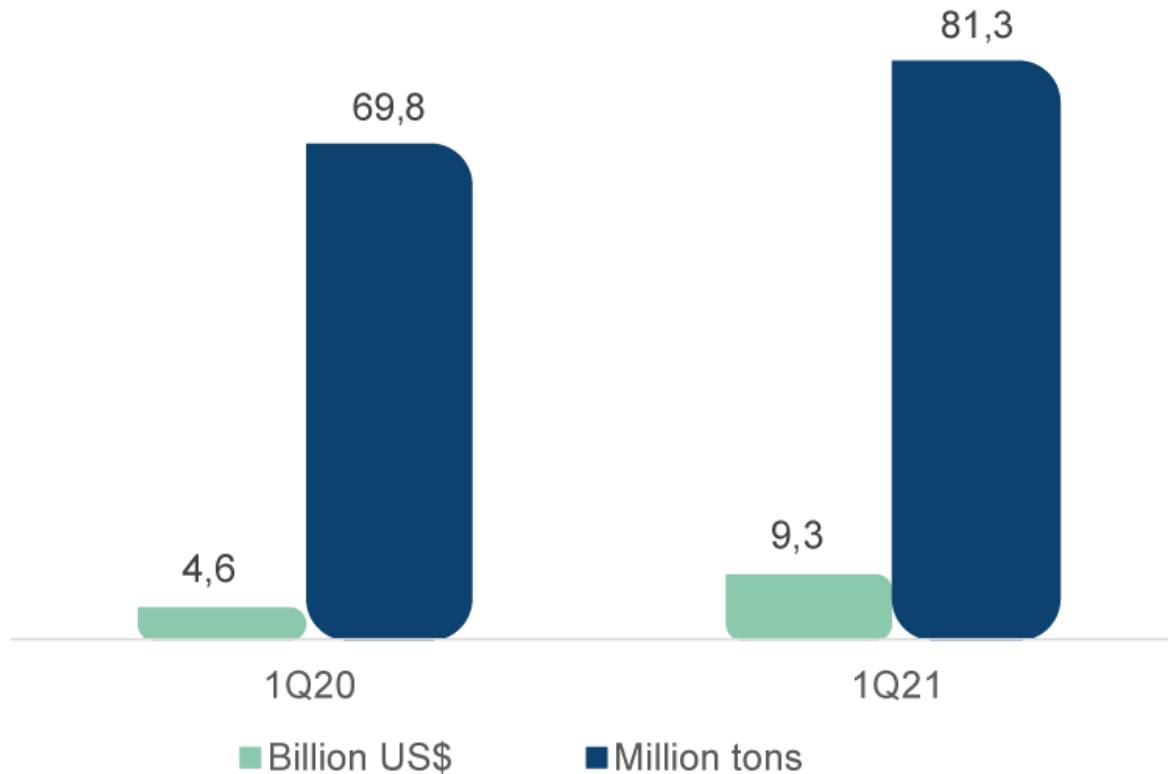
\* Mineral balance: mineral exports minus mineral imports. Therefore, the Mineral balance is higher than the Brazil balance, which means that the mineral sector contributes positively to the trade balance, compensating several other sectors which are mainly importers with negative balance.

# TRADE BALANCE (BILLION US\$)



\* Mineral balance: mineral exports minus mineral imports. Therefore, the Mineral balance is higher than the Brazil balance, which means that the mineral sector contributes positively to the trade balance, compensating several other sectors which are mainly importers with negative balance.

# EXPORTS – IRON ORE

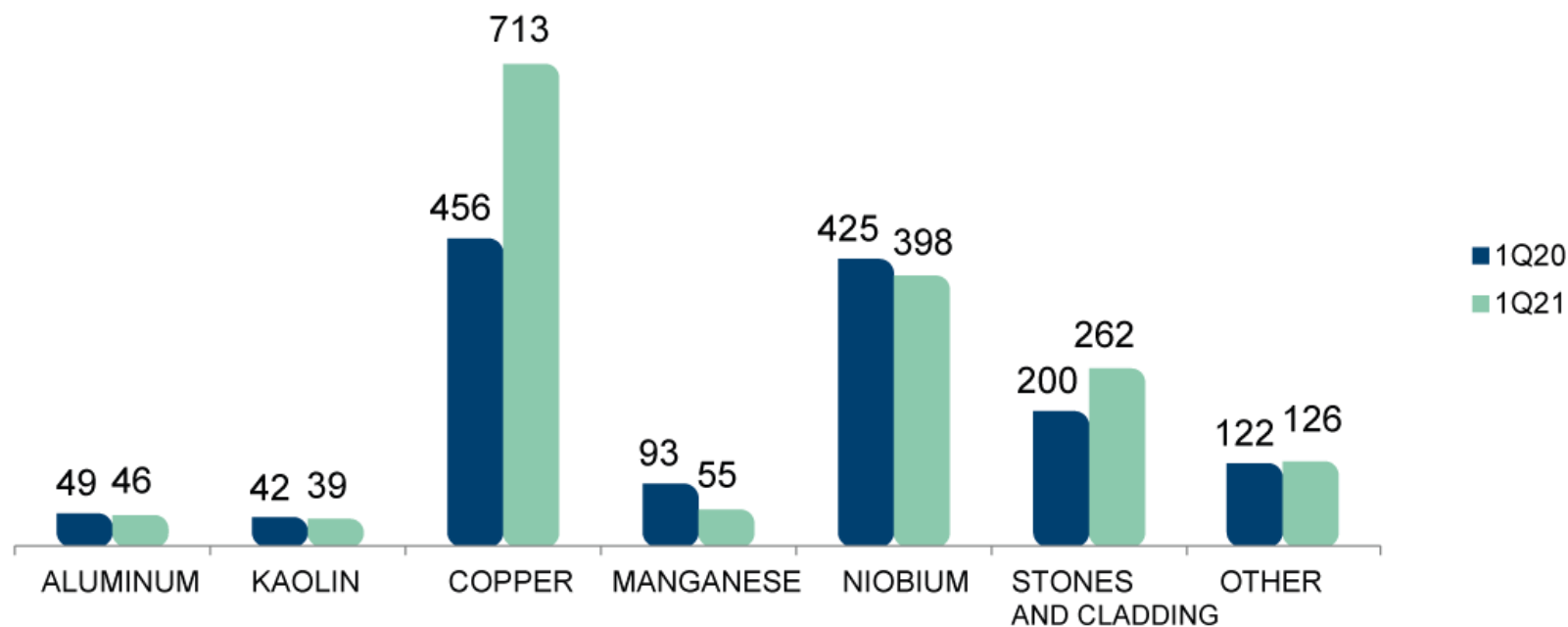


	1Q20	1Q21	1Q21 X 1Q20
<b>Billion US\$</b>	\$4,6	\$9,3	102,1%
<b>Million tons</b>	69,8	81,3	16,6%

SOURCE: Comex Stat/prepared by IBRAM

# EXPORTS – OTHER SUBSTANCES

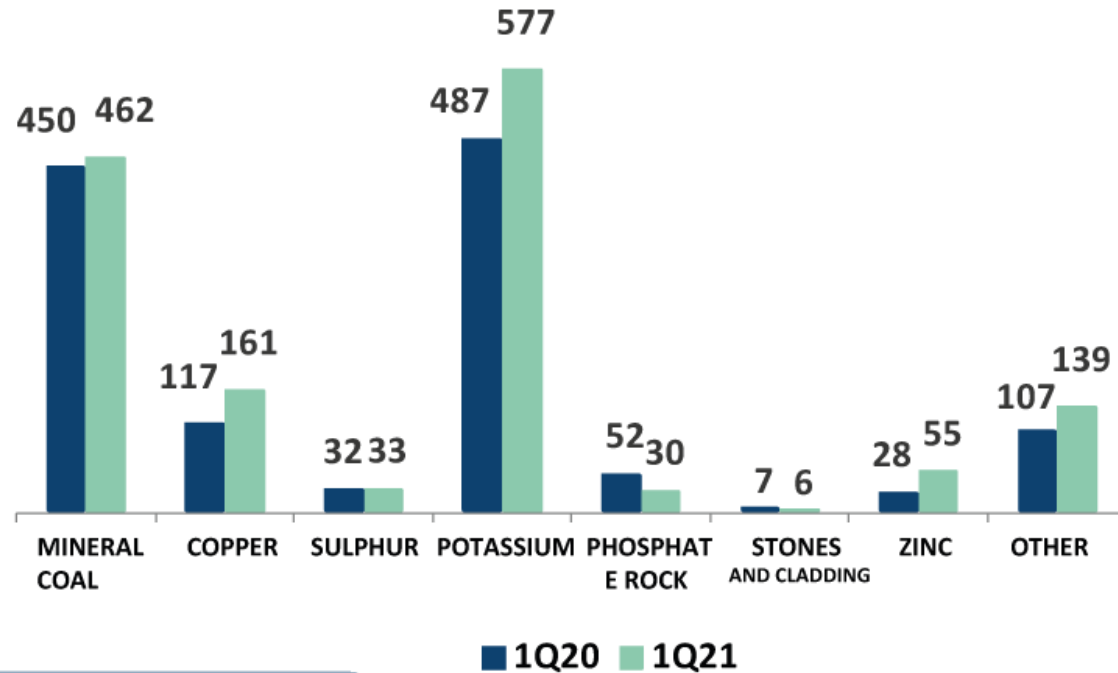
EVOLUTION OF EXPORTS (MILLION US\$)



GOLD		
EXPORTS	MILLION US\$ FOB	Tons
1Q20	980	22,9
1Q21	1.227	23,6
1Q21 X 1Q20	25,2%	3,1%

	1Q21 X 1Q20	
	US\$ FOB	Tons
ALUMINUM	-6%	45%
KAOLIN	-7%	-12%
COPPER	57%	19%
MANGANESE	-41%	-35%
NIObIUM	-6%	-5%
VANADIUM	-21%	-26%
STONES AND CLADDING	31%	19%

## EVOLUTION OF IMPORTS (MILLION US\$)

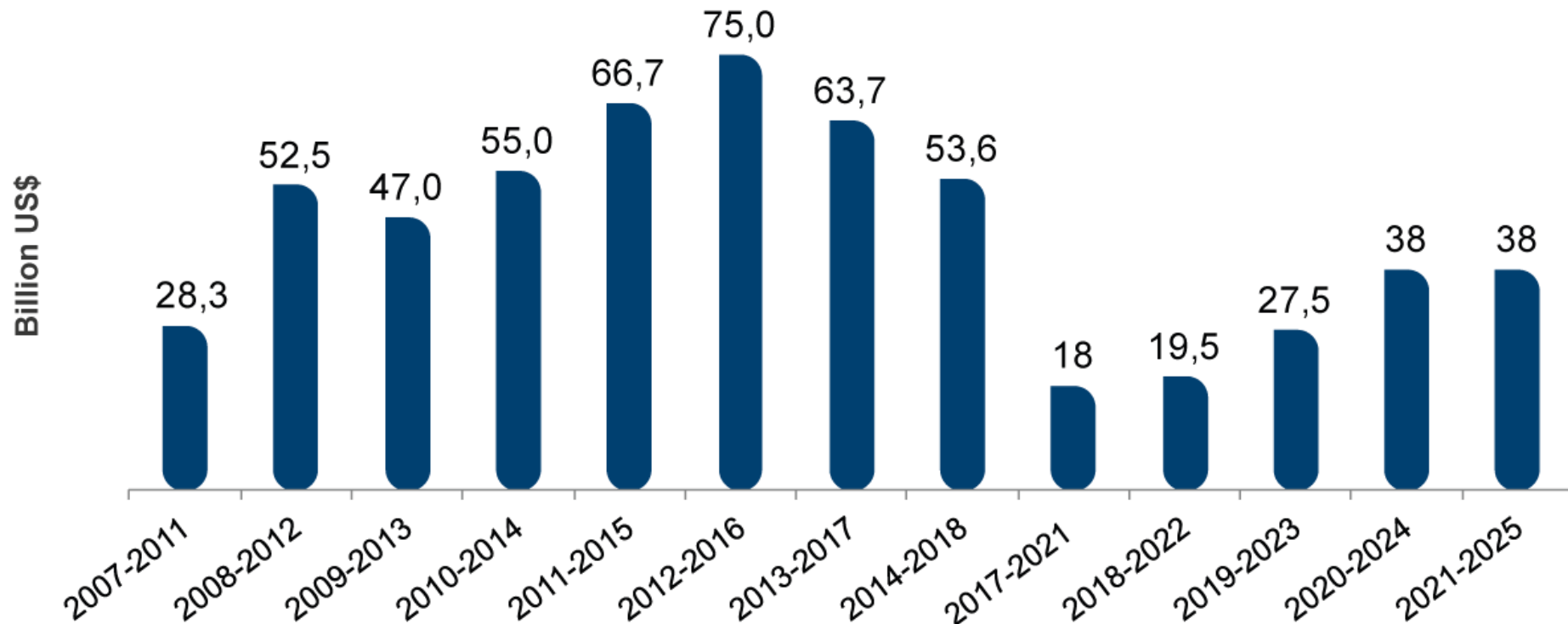


	1Q21 X 1Q20	
	US\$ FOB	Tons
MINERAL COAL	3%	14%
COPPER	37%	14%
SULPHUR	4%	-21%
POTASSIUM	18%	41%
PHOSPHATE ROCK	-42%	-33%
STONES AND CLADDING	-23%	43%
ZINC	98%	107%
OTHER	30%	20%

SOURCE: Comex Stat/prepared by IBRAM

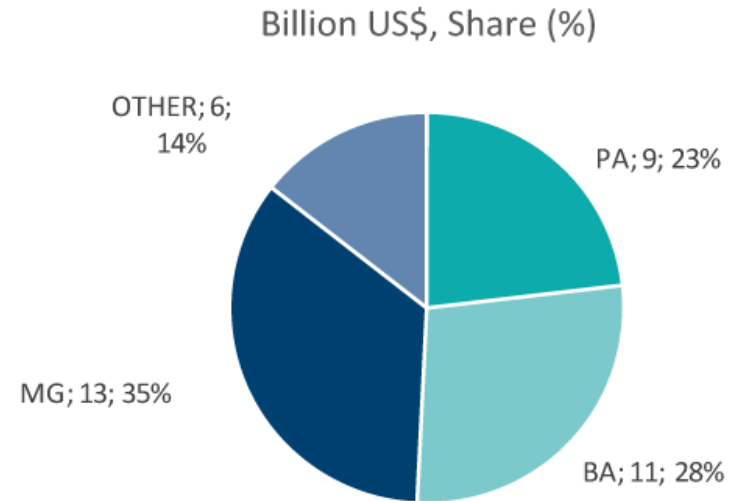
# INVESTMENT

## Estimates of Investment in the Mineral Sector



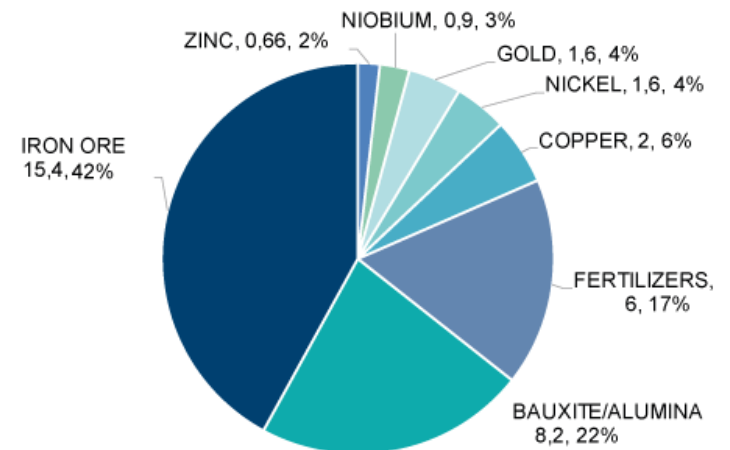
SOURCE: Several/IBRAM Survey.

STATE	BILLION US\$	SHARE (%)	NR. OF MUNICIPALITIES
PA	9	23%	13
BA	11	28%	11
MG	13	35%	28
OTHER	6	14%	29
<b>TOTAL</b>	<b>38</b>	<b>100%</b>	<b>81</b>



SUBSTANCE	NR OF PROJECTS
ZINC	9
NIOBIUM	1
GOLD	8
NICKEL	4
COPPER	9
FERTILIZERS	11
IRON ORE	23
BAUXITE/ALUMINA	2
OTHER	25
<b>TOTAL</b>	<b>92</b>

Investment per substance (BILLION US\$, %)

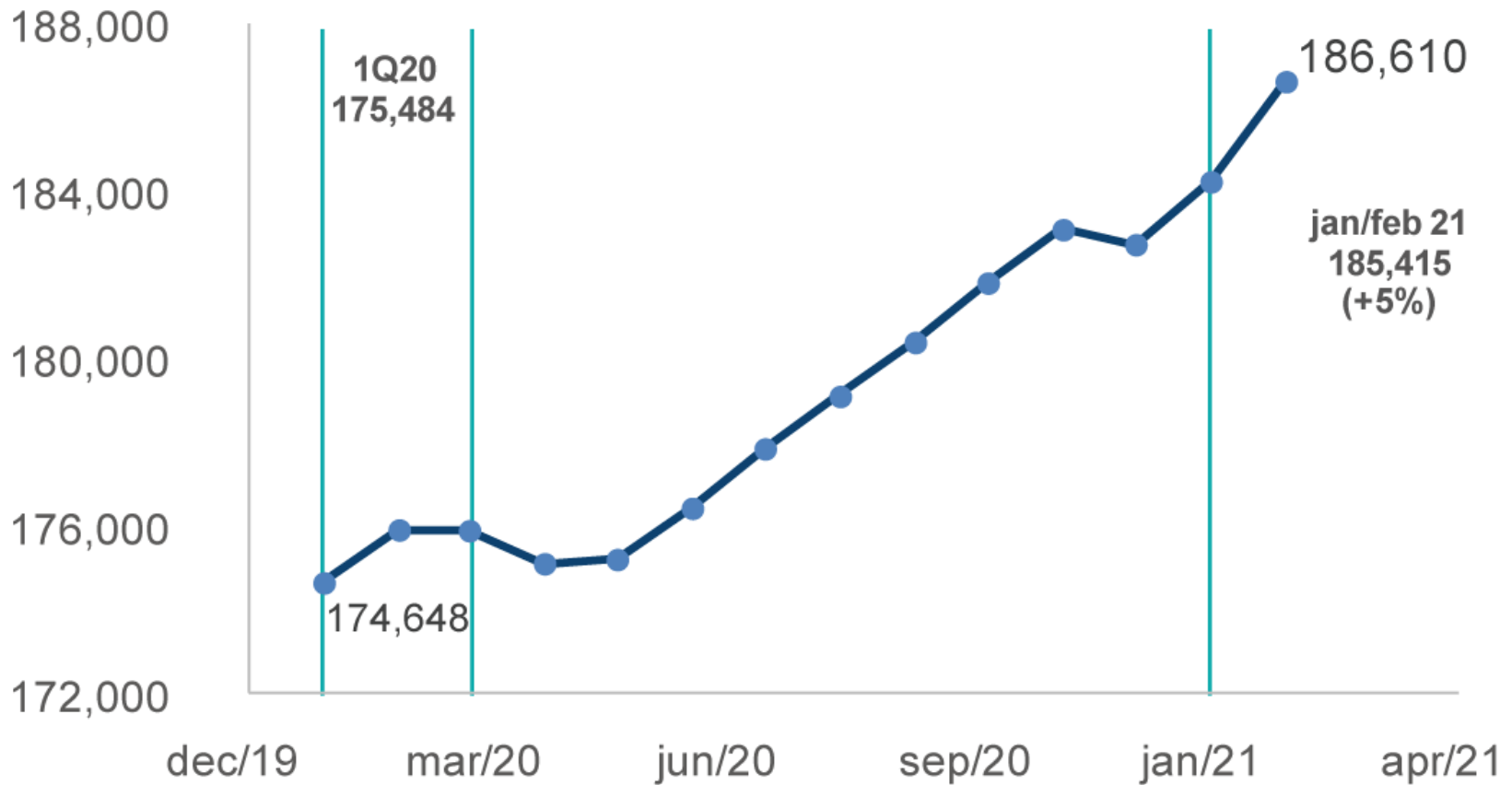


SOURCE: Several/IBRAM Survey.



# JOBS

## BALANCE OF THE MINERAL SECTOR JOBS



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