



***“ARM’s significant sales volume growth reduced the impact of the fall in iron ore prices. There were huge improvements in contributions to earnings at Nkomati nickel mine and ARM Coal.***

***ARM continues to deliver on its iron ore, nickel and copper growth projects. The Lubambe project produced copper ahead of schedule.”***

**Patrice Motsepe**  
Executive Chairman



*Lubambe Copper Mine*



## Overview and strategy

Patrice Motsepe, Executive Chairman

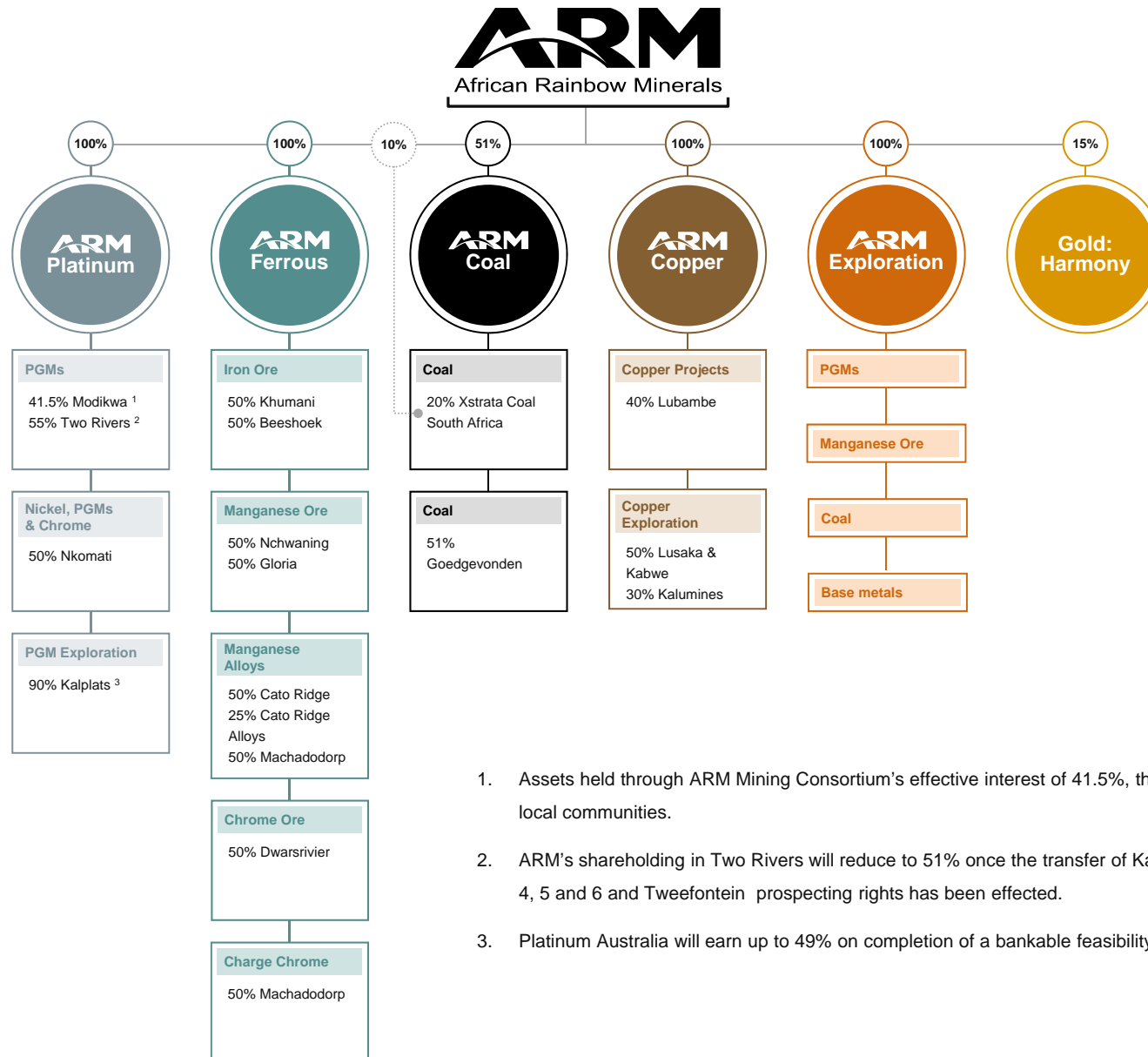
# Disclaimer

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# Group structure



1. Assets held through ARM Mining Consortium's effective interest of 41.5%, the balance held by local communities.
2. ARM's shareholding in Two Rivers will reduce to 51% once the transfer of Kalkfontein portions 4, 5 and 6 and Tweefontein prospecting rights has been effected.
3. Platinum Australia will earn up to 49% on completion of a bankable feasibility study.

# Salient features

**Headline earnings reduced by 30% to R1.41 billion (1H F2012 restated: R2.00 billion) primarily as a result of the fall in iron ore prices and the above inflation unit cost increases at some operations.**

**This reduction was partially offset by improved performances at Nkomati Nickel and ARM Coal.**

**Sales revenue maintained at R8.8 billion (1H F2012: R8.7 billion).**

**Increased sales volumes for iron ore, PGMs, nickel, Dwarsrivier chrome and thermal coal.**

# Salient features

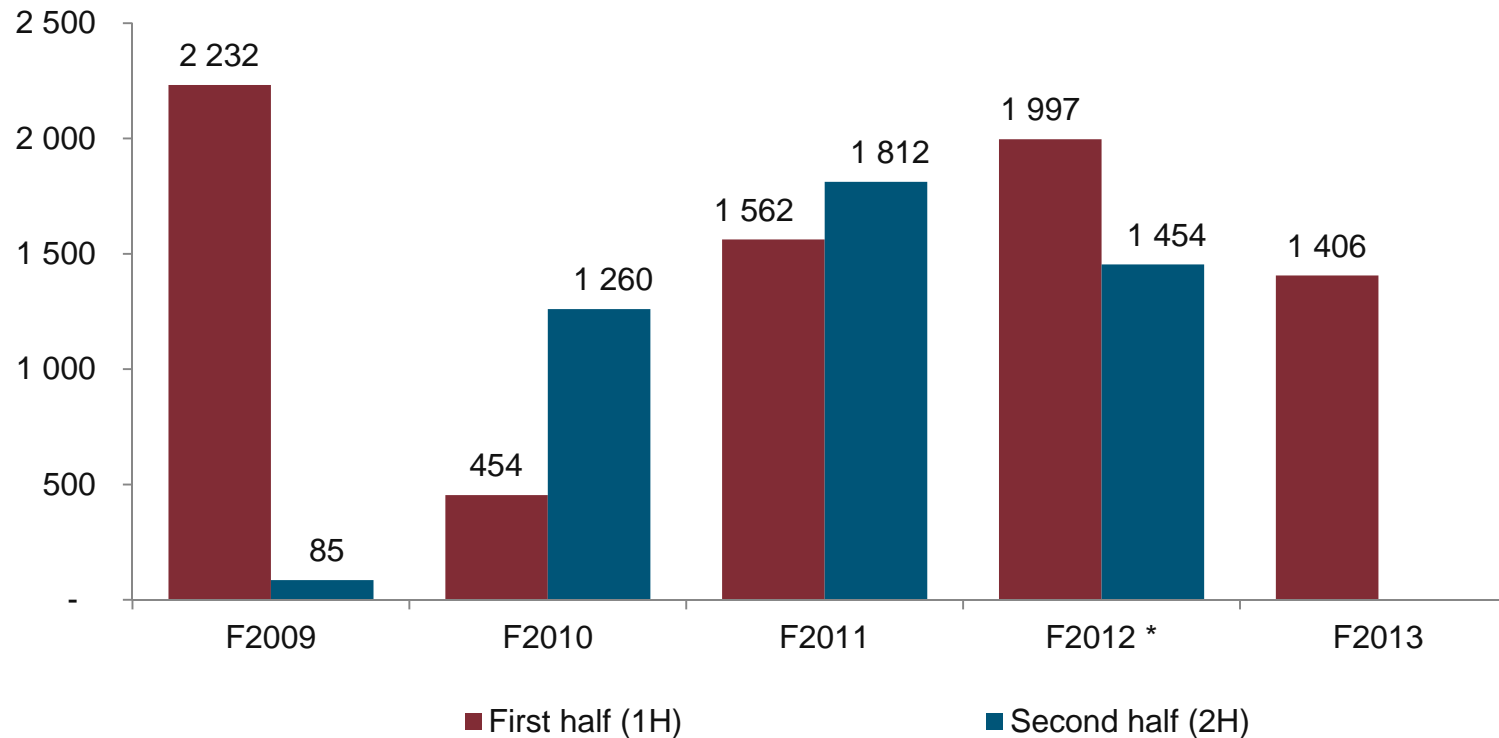
**The Nkomati Nickel Mine improved its mining and metallurgical recoveries and has increased production of nickel by 87% and reduced unit costs by 50% to US\$5.13/lb. Contribution to headline earnings of R147 million (1H F2012: R75 million loss).**

**The concentrator plant at the Lubambe Copper Project was commissioned in October 2012, two months ahead of schedule.**

**Positive financial position with net cash (excluding partner loans) of R630 million (1H F2012: R1.7 billion) after capital expenditure of R2.0 billion and an increase in working capital of R1.5 billion.**

# Headline earnings

## Headline earnings (R million)



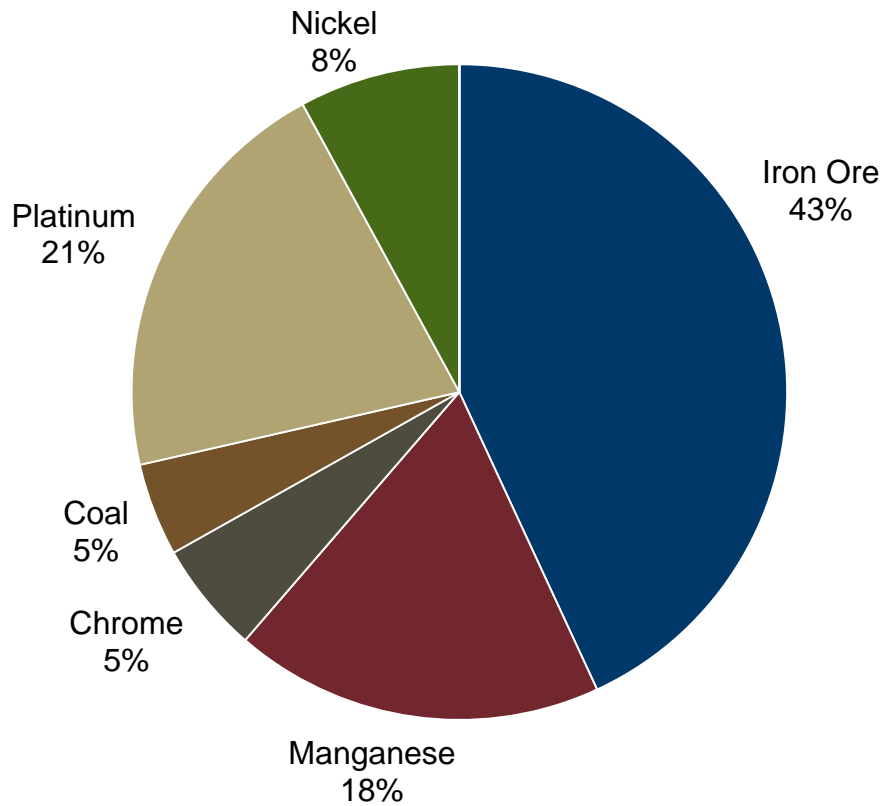
\* The 1H F2012 and 2H F2012 headline earnings have been restated to take into account the early adoption of IFRIC 20.

**Headline earnings similar to 2H F2012 despite a substantial drop in iron ore prices**

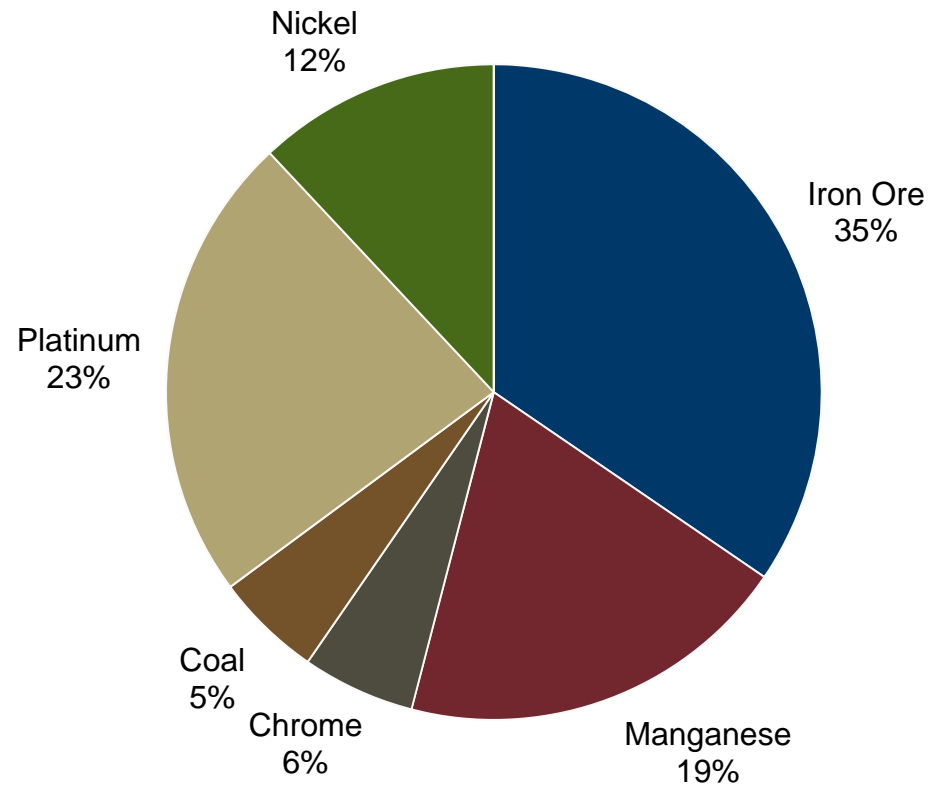


# Revenue composition

1H F2012 revenue split



1H F2013 revenue split

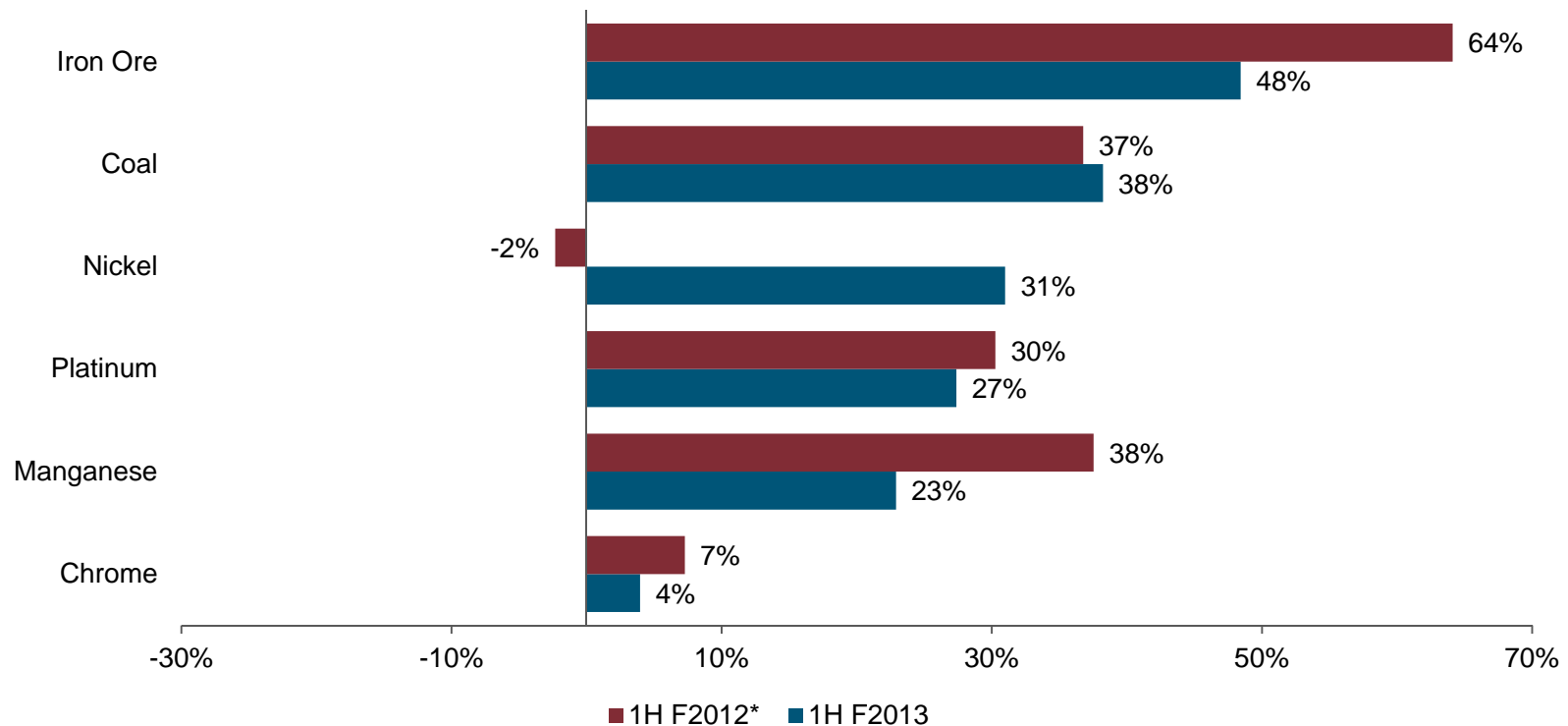


Nickel and platinum's contribution increases



# EBITDA margins

The ARM average EBITDA margin decreased to 32% (1H F2012: 43%)



\* 1H F2012 was restated to take into account the early adoption of IFRIC 20.

# ARM strategy



- Owner operator
- Entrepreneurial management
- Profit focused
- Partner of choice
- Employer of choice
- World-class management team
- Responsible community development

# Update on growth projects

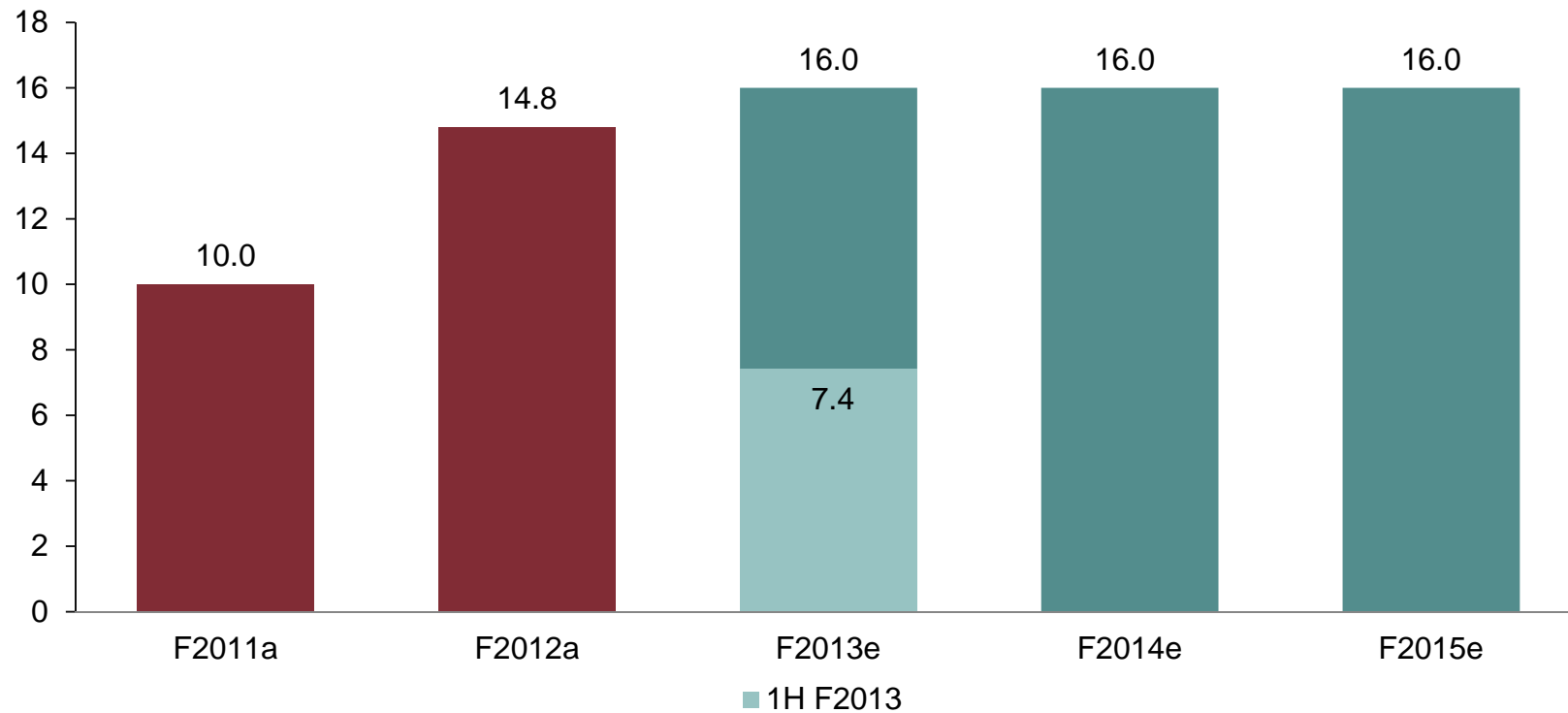
**The Khumani Iron Ore Expansion Mine is at full production one year ahead of schedule.**

**There was significant improvement in the operational performance at Nkomati Nickel Mine.**

**The concentrator plant at the Lubambe Copper Project was commissioned in October 2012, two months ahead of schedule.**

# Growth in iron ore

Total iron ore sales (million tonnes)



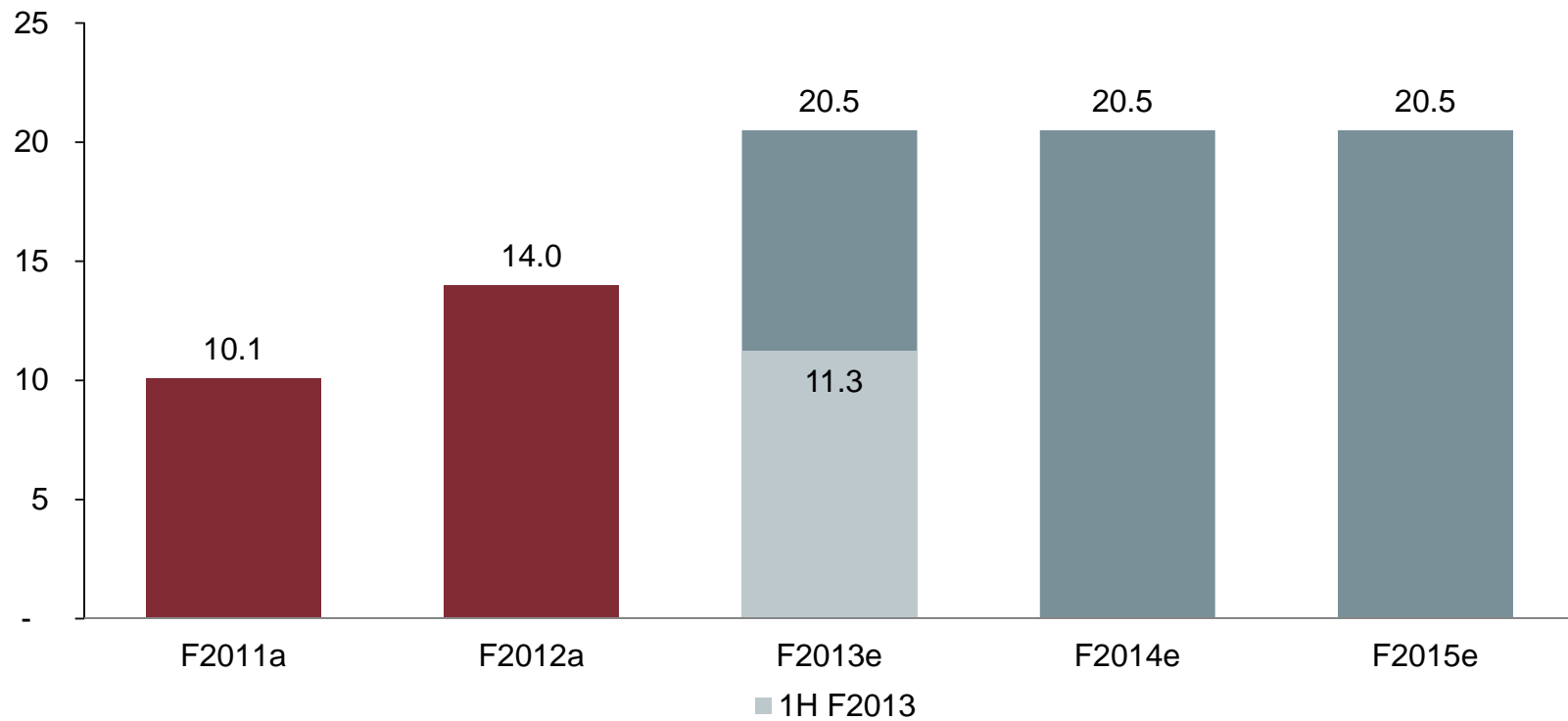
Iron ore sales volumes increased by 10%.  
(1H F2012 vs 1H F2013)

Additional overburden stripping to increase  
mining flexibility

# Nkomati Nickel Mine achieves



Nickel produced (thousand tonnes)

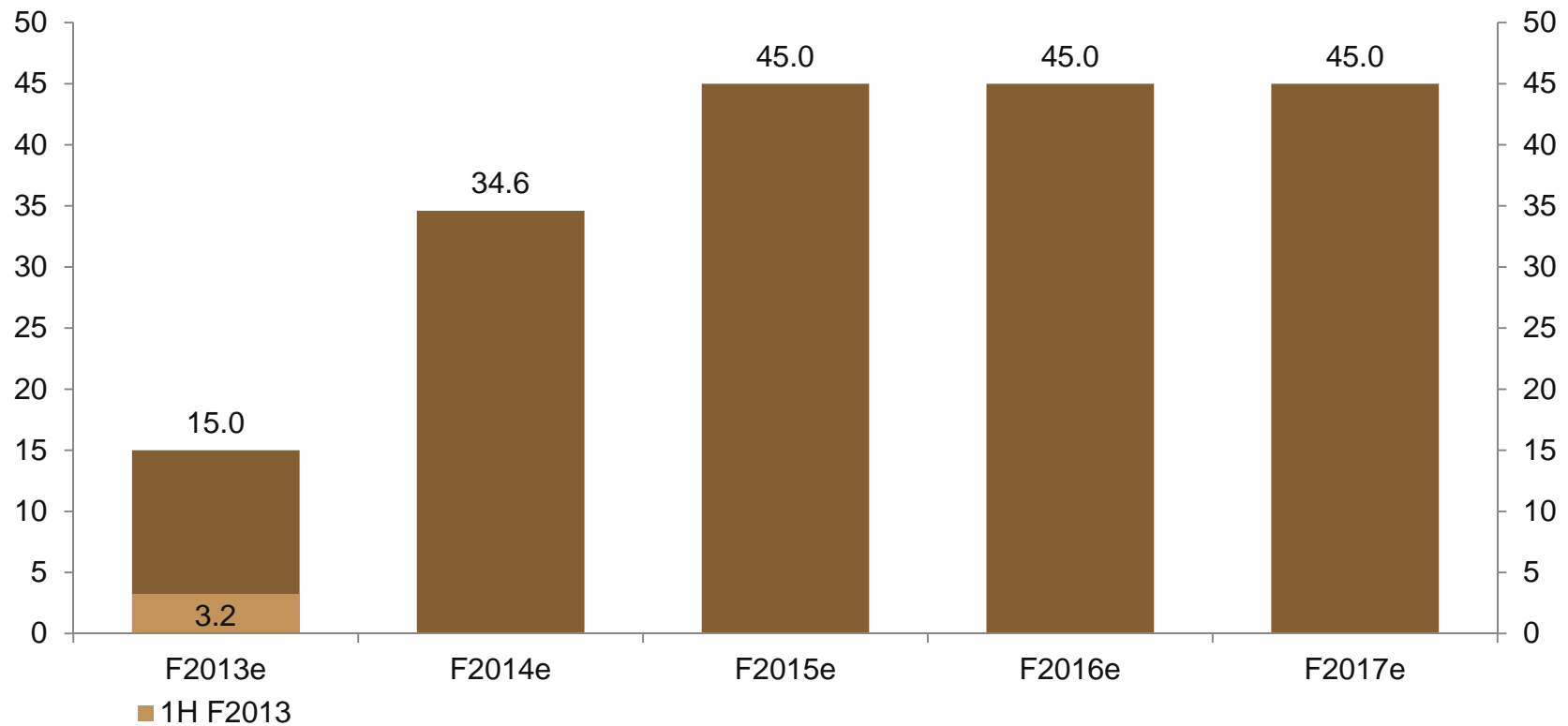


Improvement in the operational performance at Nkomati Nickel Mine.

Nickel production increased by 87% and forecast to achieve steady state this year.

# Lubambe Copper Project

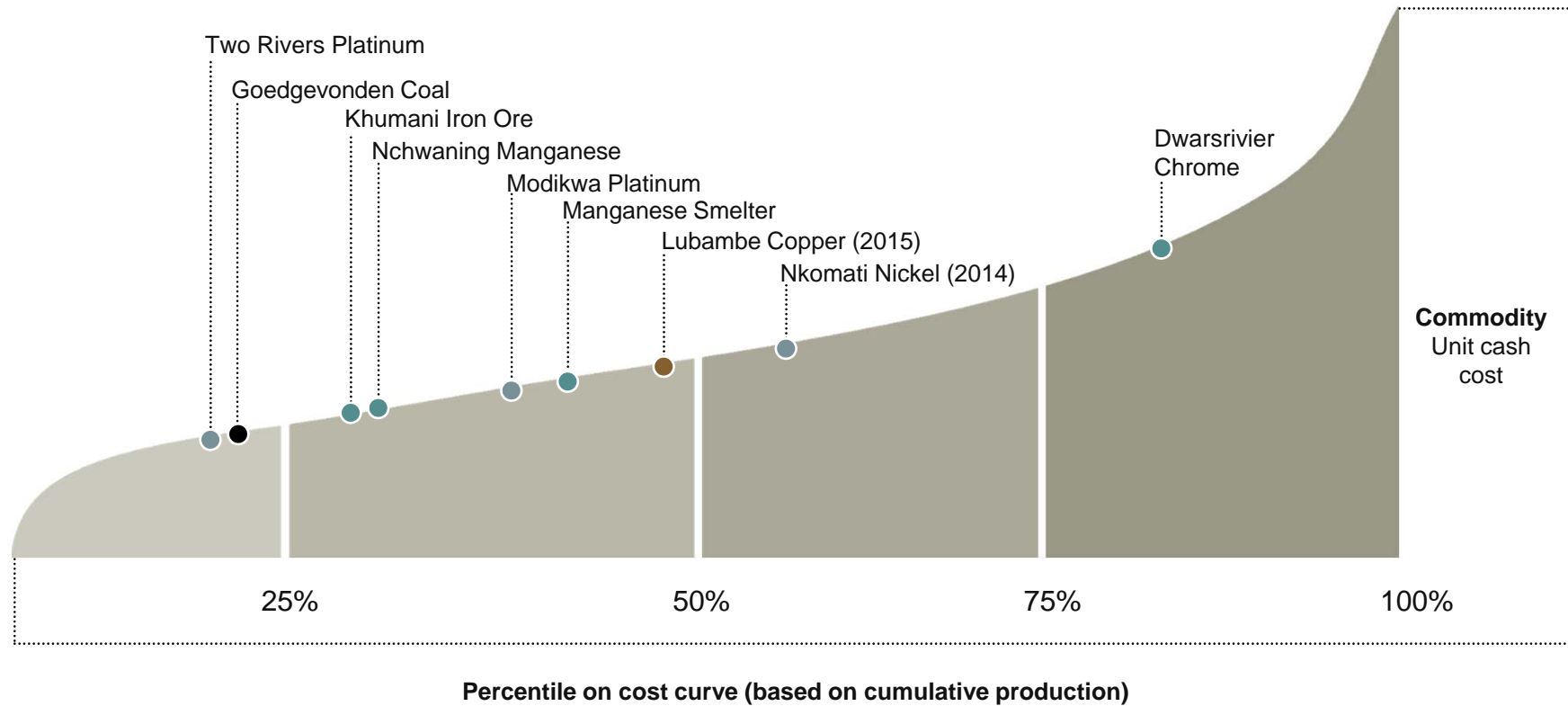
Copper produced (thousand tonnes)



The concentrator plant at the Lubambe Copper Project was commissioned in October 2012, two months ahead of schedule.

# Operational efficiencies

ARM's objective is to have its operations below the 50<sup>th</sup> percentile on the global cost curve.





# Continued growth in existing assets



**Early works capital expenditure to expand the Black Rock manganese mining operations from 3 mtpa to 4 mtpa approved.**

**Feasibility studies are underway to further expand ARM's iron ore operations to benefit from Transnet's R300 billion Market Demand Strategy (MDS), in terms of which the South African rail, pipeline and port infrastructure will expand substantially.**

# Mergers and Acquisitions

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**Continuous focus on value adding acquisitive growth.**

**ARM's strong financial status, positions it favourably to pursue value adding acquisitive growth.**

# Safety and sustainability

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**ARM's Lost Time Injury Frequency Rate (LTIFR) remained steady at 0.41 per 200 000 man hours.**

**The ARM managed operations were fatality free for the reporting period.**

# Outlook

**Commodity markets in China are recovering from the F2012 slowdown.**

**Weak demand fundamentals in the PGM, nickel and chrome markets are expected to continue in the short-term, partly due to uncertainty in the developed markets.**

**The long-term fundamentals of PGMs and nickel remain positive; to be driven by the expected recovery in the developed markets together with supply side challenges experienced by the South African PGM producers.**

**ARM will continue to focus on improving operational efficiencies and reviewing capital allocation.**



*PCMZ Concentrator at Nkomati Mine*



# Operational review

Mike Schmidt, Chief Executive Officer

# Divisional headline earnings



## Contribution to headline earnings (R million)

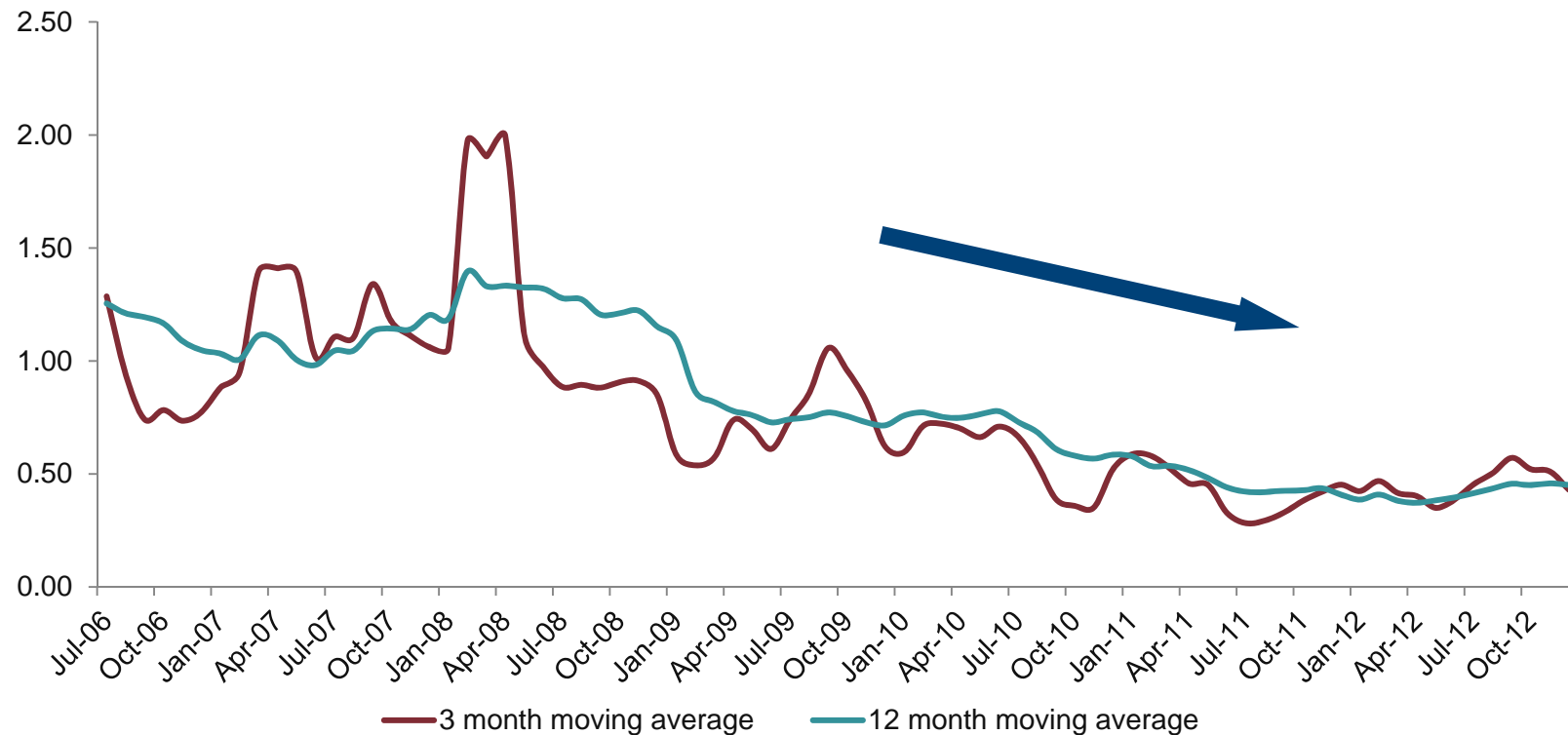
Commodity group	six months ended 31 December		
	2012	2011	% change
Platinum Group Metals	152	162	(6)
Nkomati Nickel and Chrome	147	(75)*	-
Ferrous Metals	1 061	1 974	(46)
Coal	105	(12)	-
Copper	(21)	(30)	30
Exploration	(36)	(54)	33
Gold	32	38	(16)
Corporate and Other	(34)	(6)	>(100)
<b>ARM Headline Earnings</b>	<b>1 406</b>	<b>1 997*</b>	<b>(30)</b>

\* The 1H F2011 headline earnings have been restated for the early adoption of IFRIC 20.

# Significant improvement in safety record



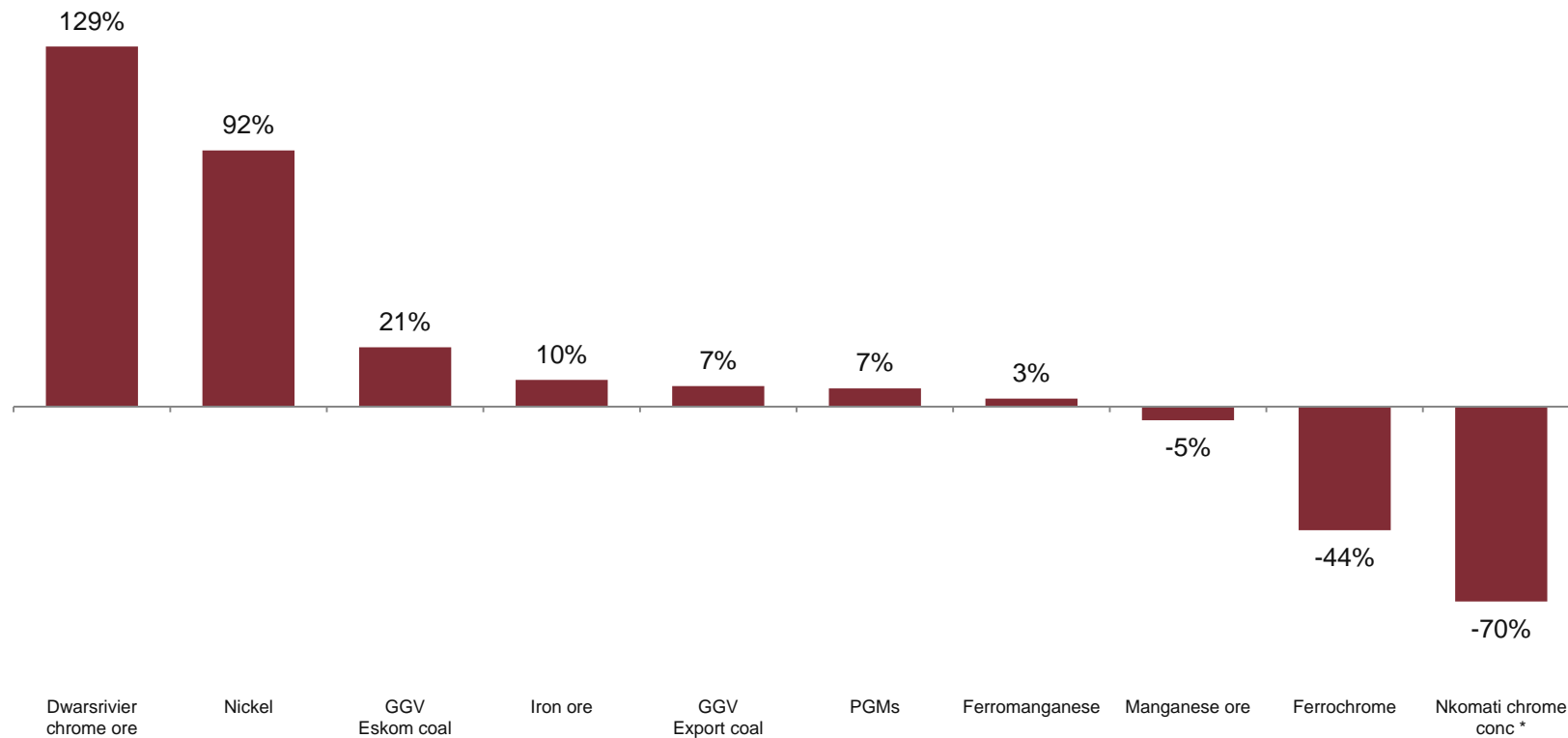
Lost Time Injury Frequency Rate (LTIFR) per 200 000 man hours worked





# Significant sales volume increases

1H F2013 vs. 1H F2012 sales volumes (% change)

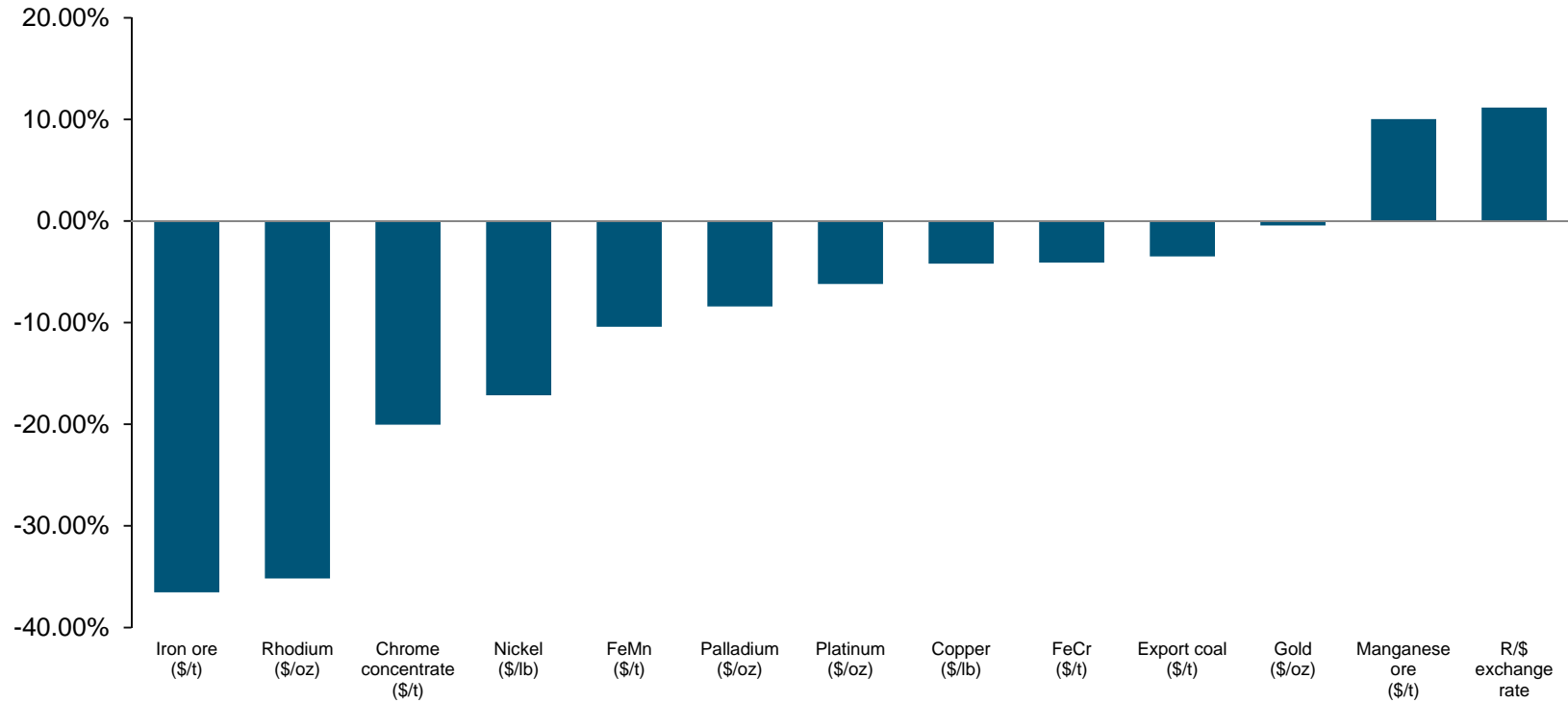


\* Nkomati chrome spiral plant closed

# Decrease in commodity prices

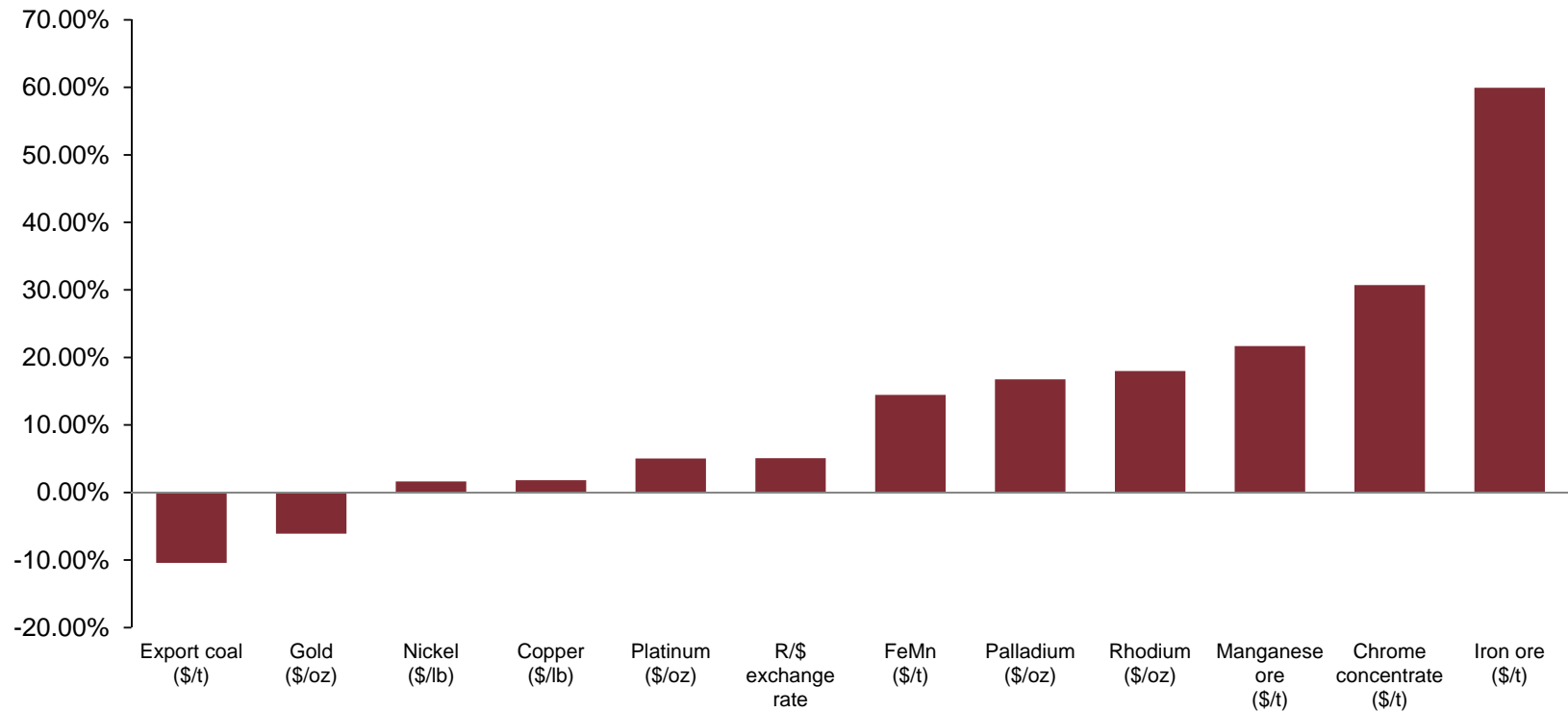


1H F2013 vs. 1H F2012 realised prices (% change)



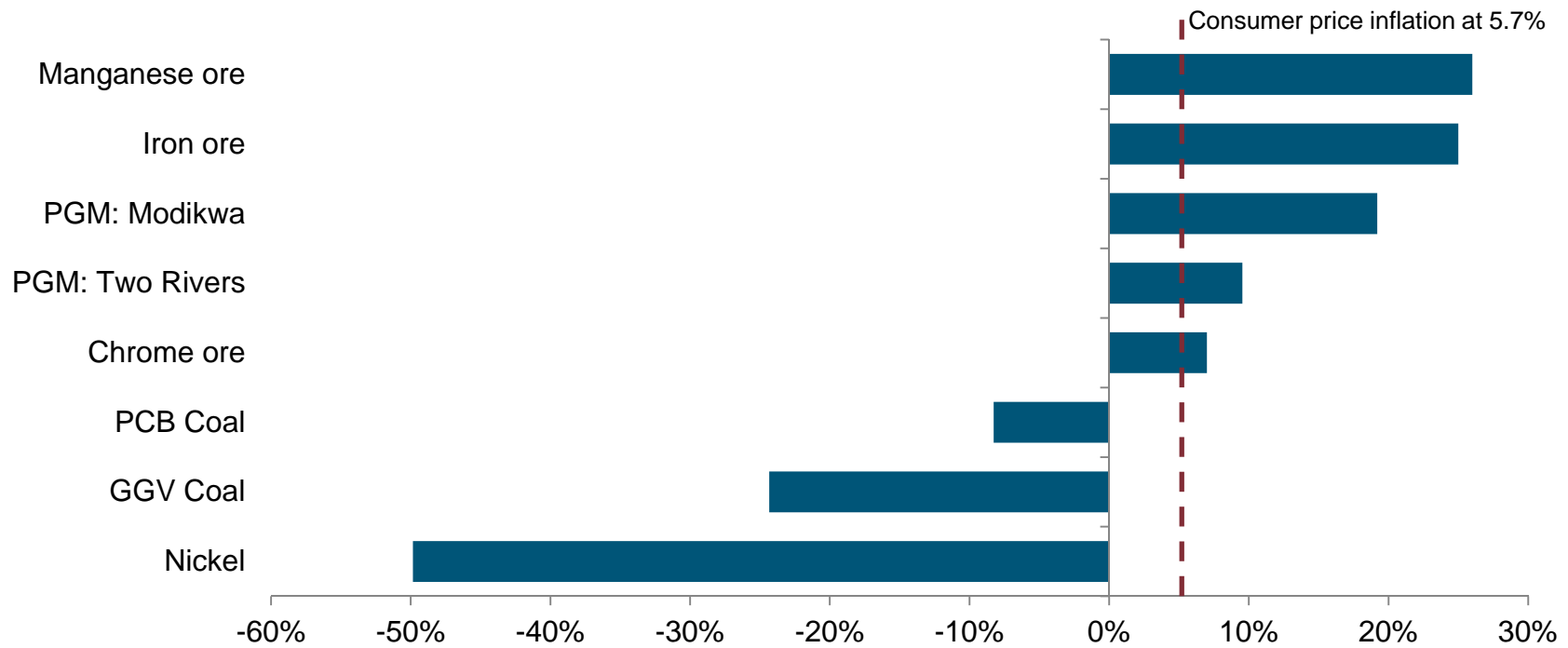
# Spot prices recover

Spot prices on 21 February 2013 vs. 1H F2013 realised prices (% change)



# Unit cost changes by commodity

1H F2013 vs. 1H F2012 unit production costs (% change)



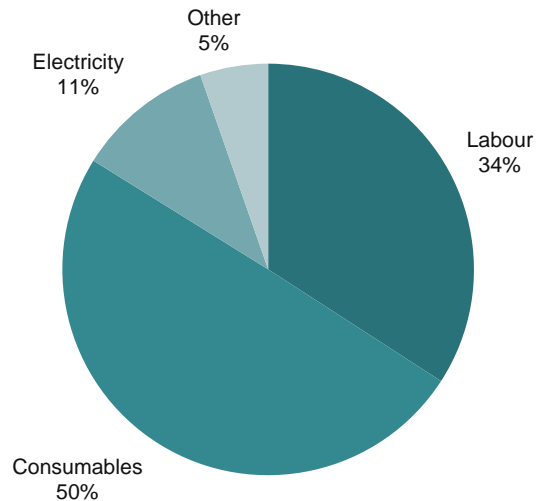
The Nkomati Nickel Mine US Dollar C1 unit cash cost net of by-product credits decreased 50% due to enhanced efficiencies, grades and recoveries.

# Analysis of costs

## ARM Ferrous

Unit costs increased mainly due to overburden waste stripping, the cessation of cost capitalisation and labour related increases.

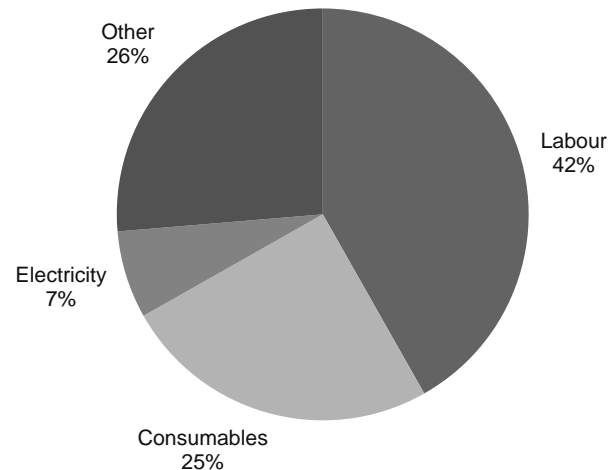
### Approximate on-mine cash cost split



## ARM Platinum

Modikwa experienced excessive labour cost increases and Two Rivers took over 1 660 contractor employees, previously employed by Grinaker LTA.

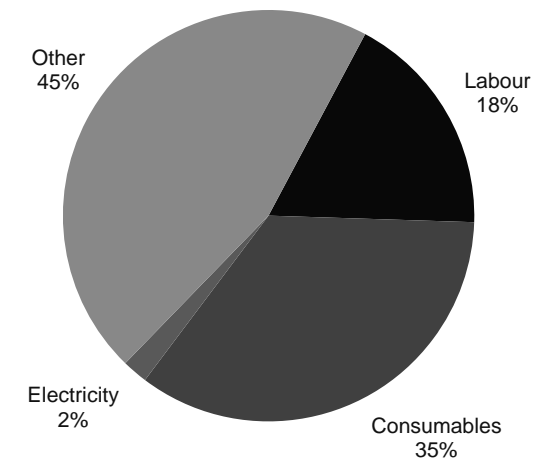
### Approximate on-mine cash cost split



## ARM Coal

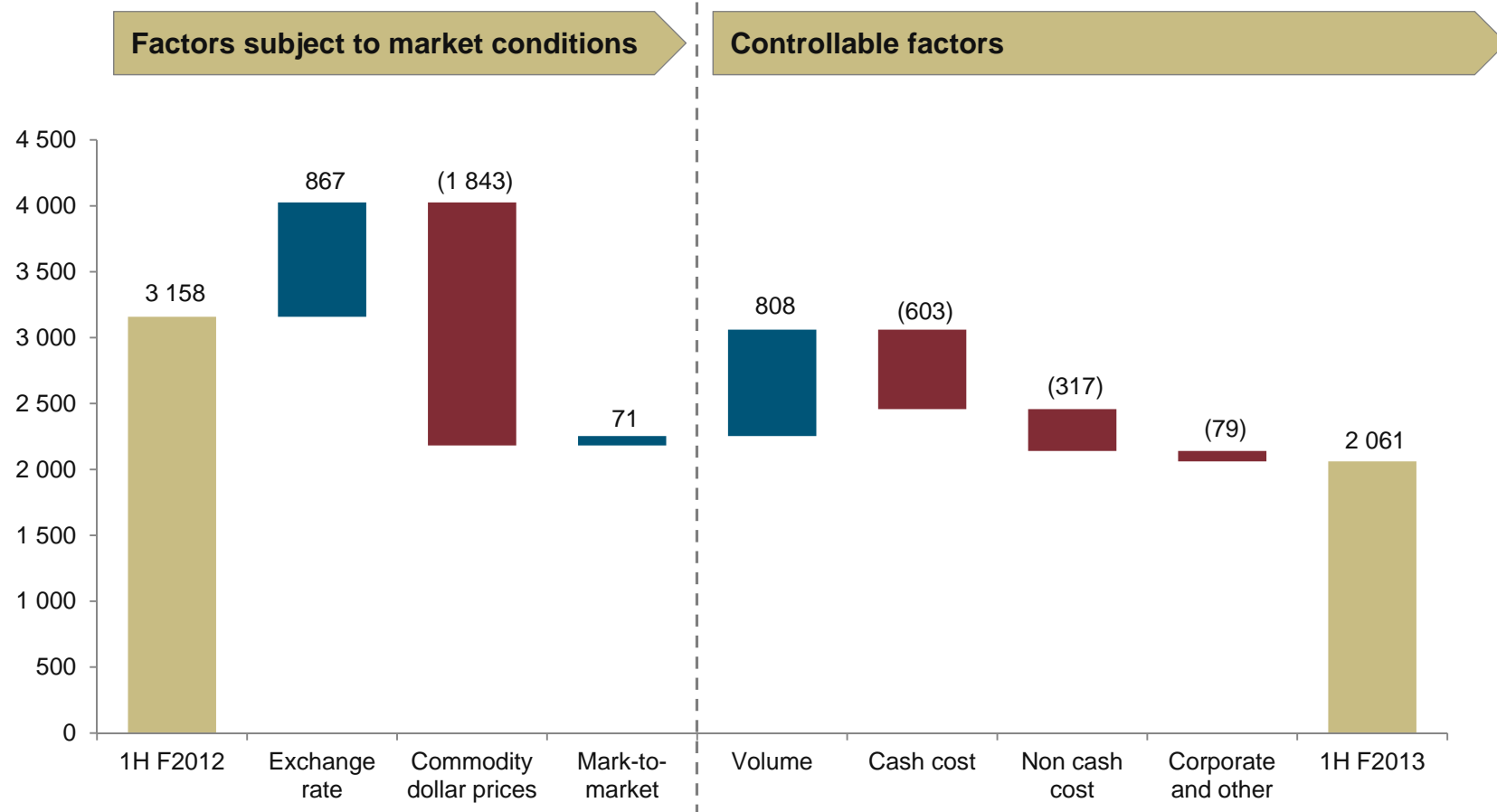
Production unit costs at GGV reduced as a result of increased saleable production volumes and a decline in the in-pit inventories

### Approximate on-mine cash cost split



# Profit variance analysis

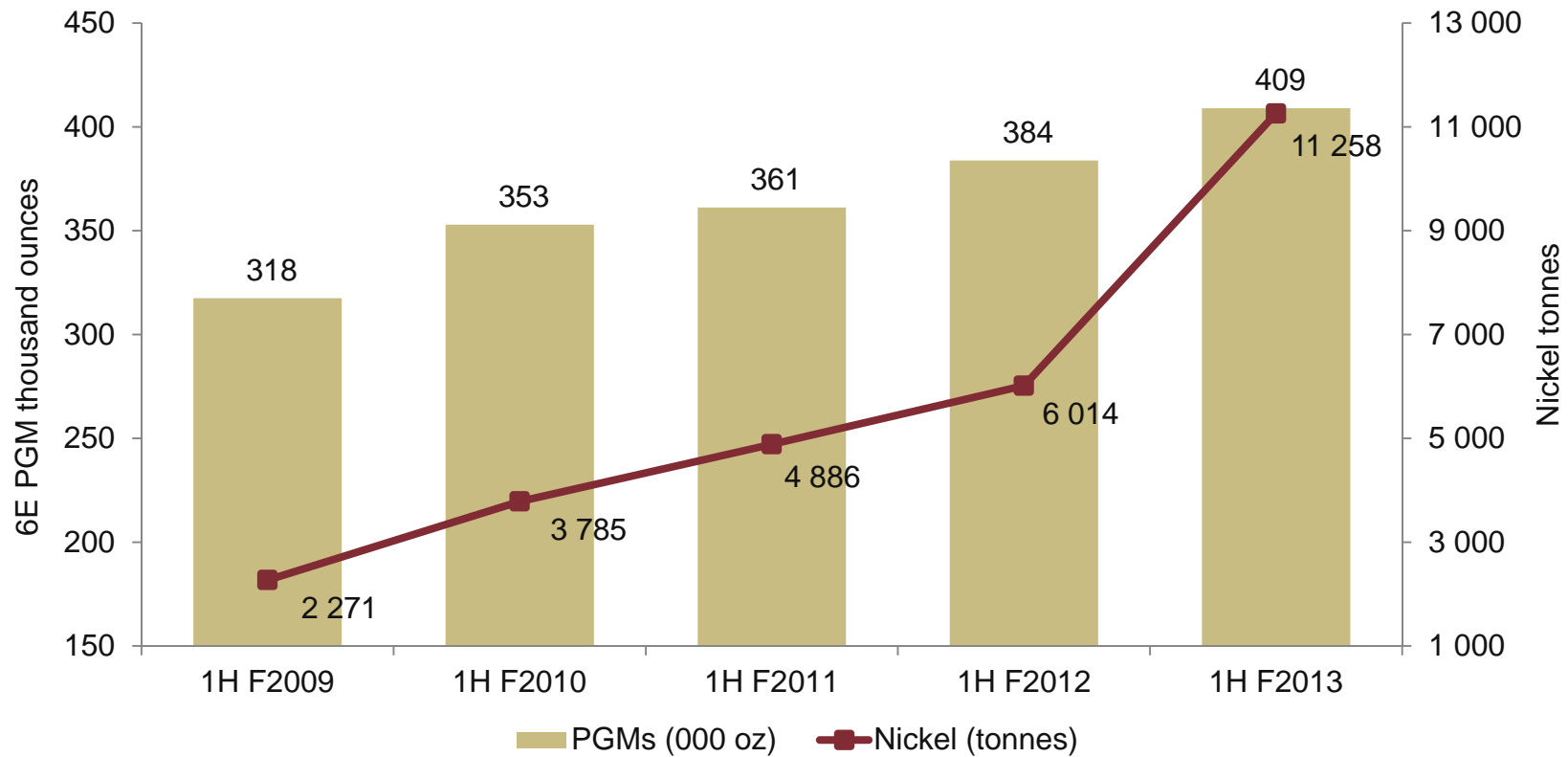
## Unaudited profit variance analysis – Profit from operations before exceptional items (R million)



# ARM Platinum growth



## PGM and nickel production

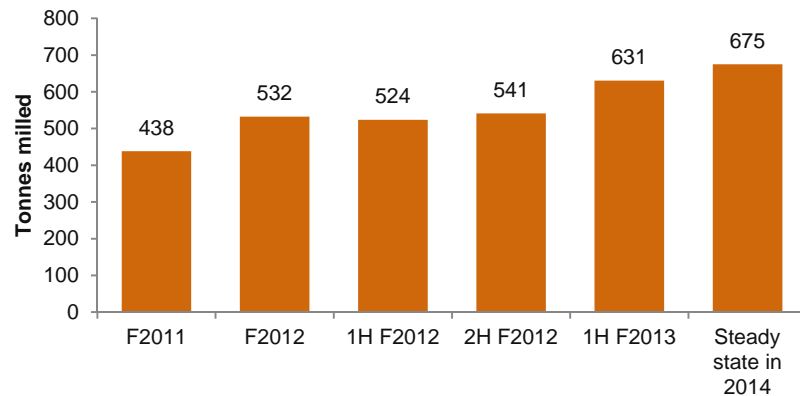




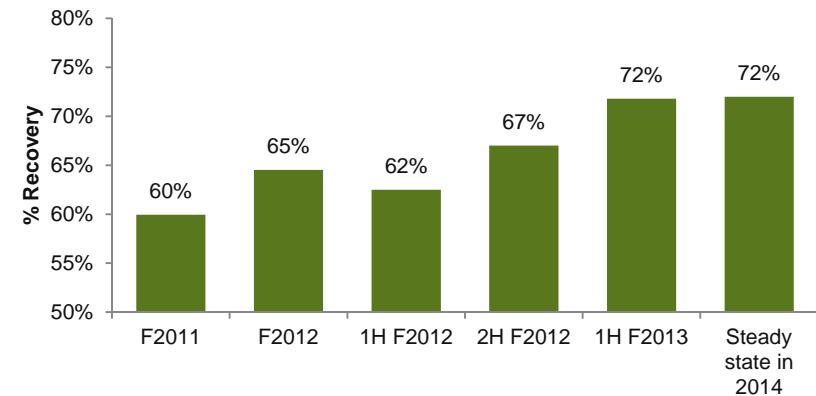
# Significant improvement in Nkomati operational performance



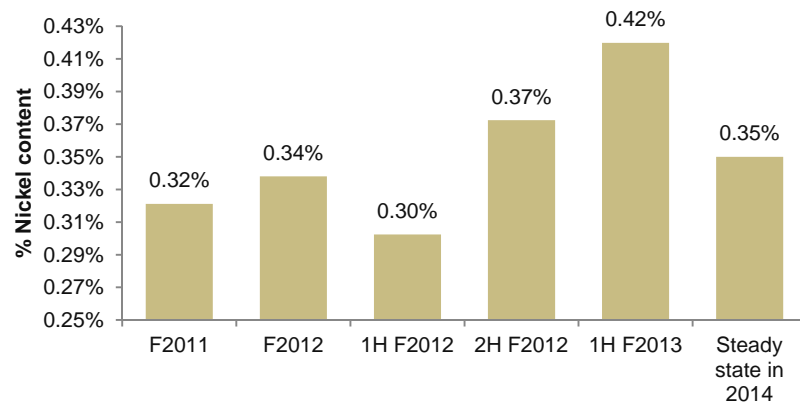
Monthly tonnes milled (thousand tonnes)



Average recoveries (%)

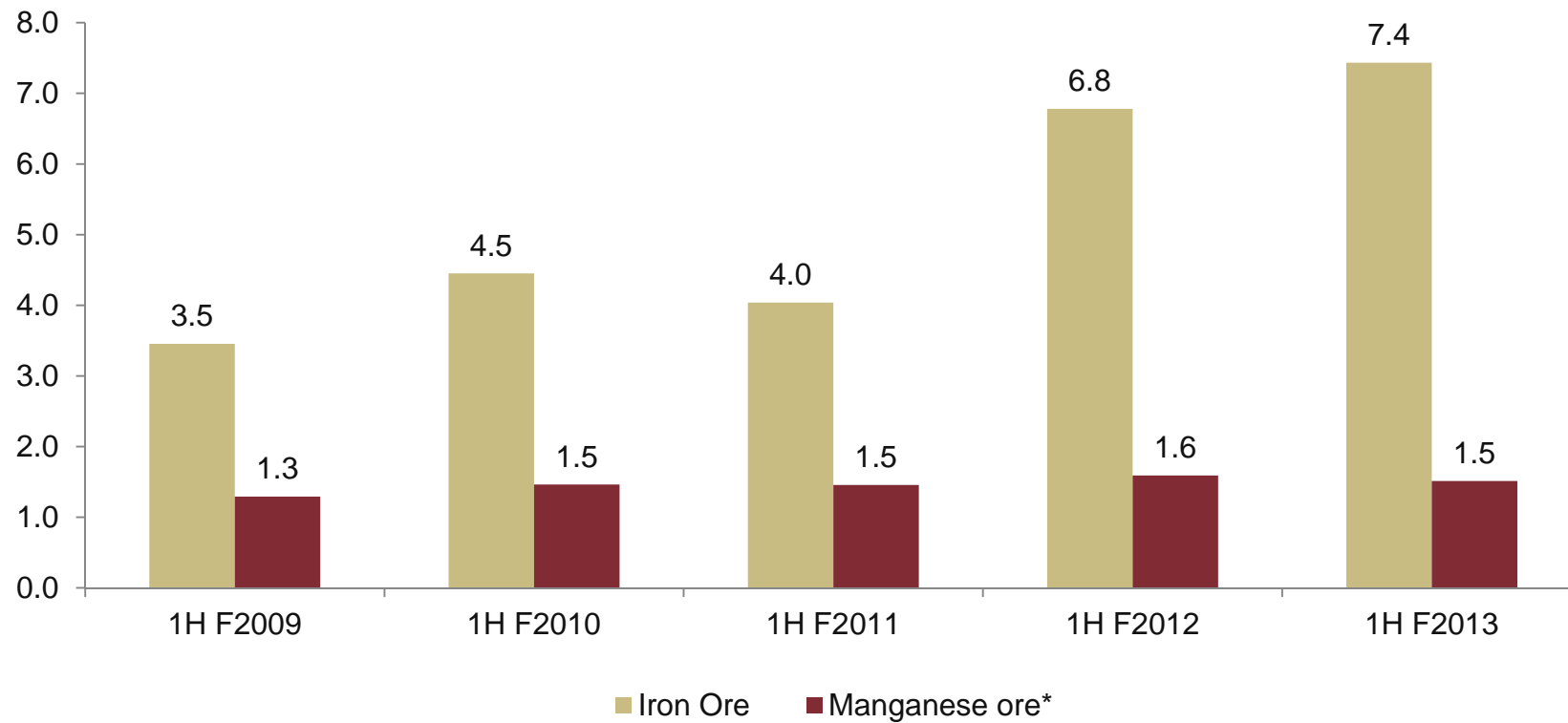


Average milling grade (% nickel content)



	1H F2012	1H F2013	Steady state in 2014
<i>\$/lb Nickel produced</i>			
<b>On mine operating costs</b>	<b>10.65</b>	6.08	8.15
<b>Off-mine operating cost</b>	<b>3.17</b>	2.35	3.50
<b>PGM, copper and cobalt by-product credits</b>	<b>(3.31)</b>	(3.04)	(3.20)
<b>Chrome by-product credit</b>	<b>(0.28)</b>	(0.26)	(2.45)
<b>C1 cash cost net of by products</b>	<b>10.24</b>	<b>5.13</b>	<b>6.00</b>

## Iron ore and manganese ore\* sales volumes (million tonnes)



\* Manganese ore sales exclude intragroup sales

# ARM Coal

**The Goedgevonden Mine produced 4.41 million tonnes saleable in 1H F2013 (1H F2012: 2.8 million tonnes).**

**47% committed to date on the R8.2 billion Tweefontein Optimisation Project (TOP).**

**The Project is expected to be completed in F2016.**

**PCB and GGV achieved unit cost decreases of 8% and 24% respectively.**

# ARM Copper

**The concentrator plant at the Lubambe Copper Project was commissioned in October 2012, two months ahead of schedule.**

**Capital expenditure of \$410 million (in July 2010 terms) is within budget.**

**Unit costs at steady state are expected to be \$1.45/lb in July 2015 terms.**

# ARM Copper: Extension Area growth

**Approximately 10 535 metres were drilled during the reporting period with six drill rigs.**

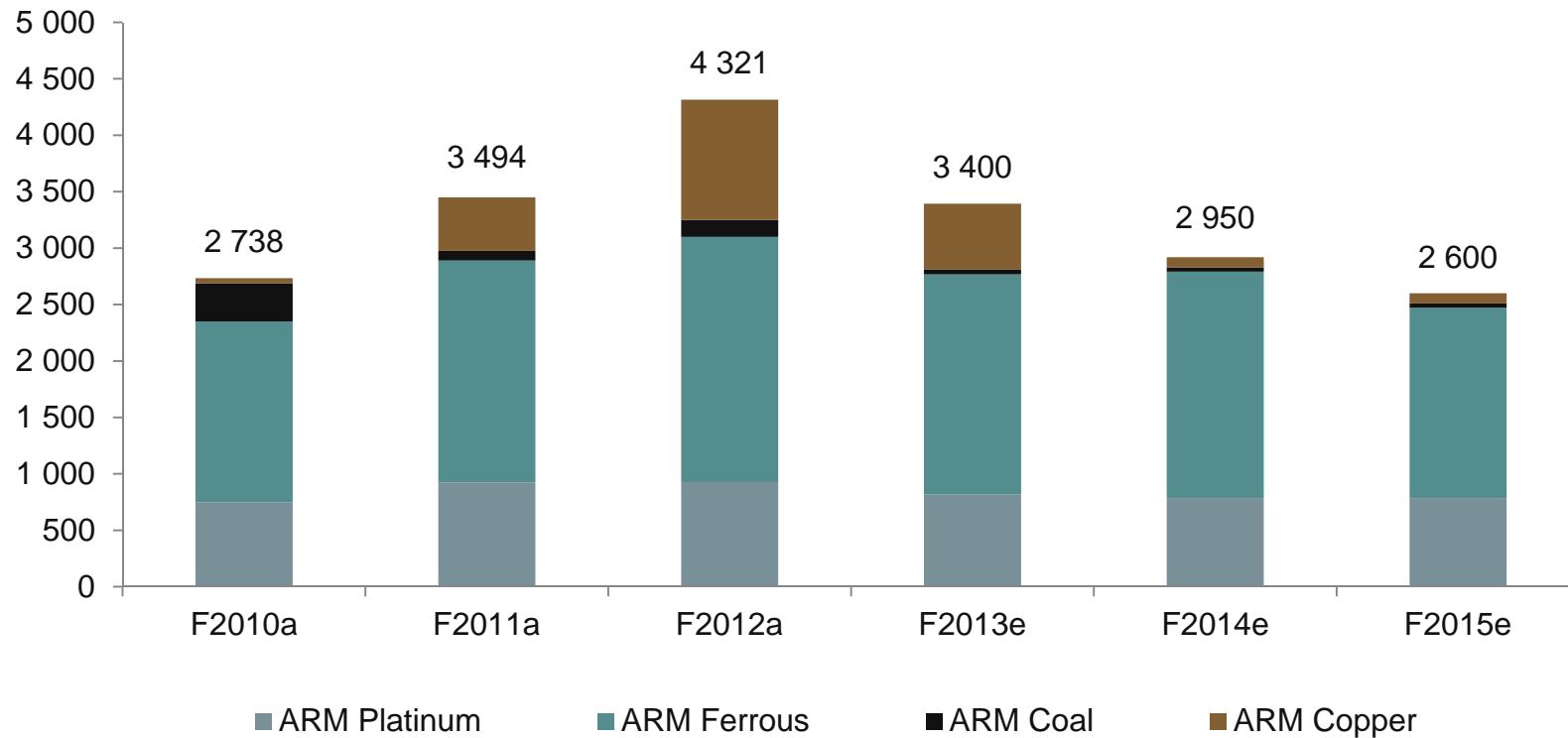
**AMEC initial ore resources statement of 105 million tonnes at 3.66% total copper in-situ with an average reef width of 11.25 metres.**

**Indicated resources 73 million tonnes at 3.60% total copper.  
Inferred resources 32 million tonnes at 3.79% total copper.**

**The feasibility study for the extension area has commenced and is expected to be completed by March 2014.**

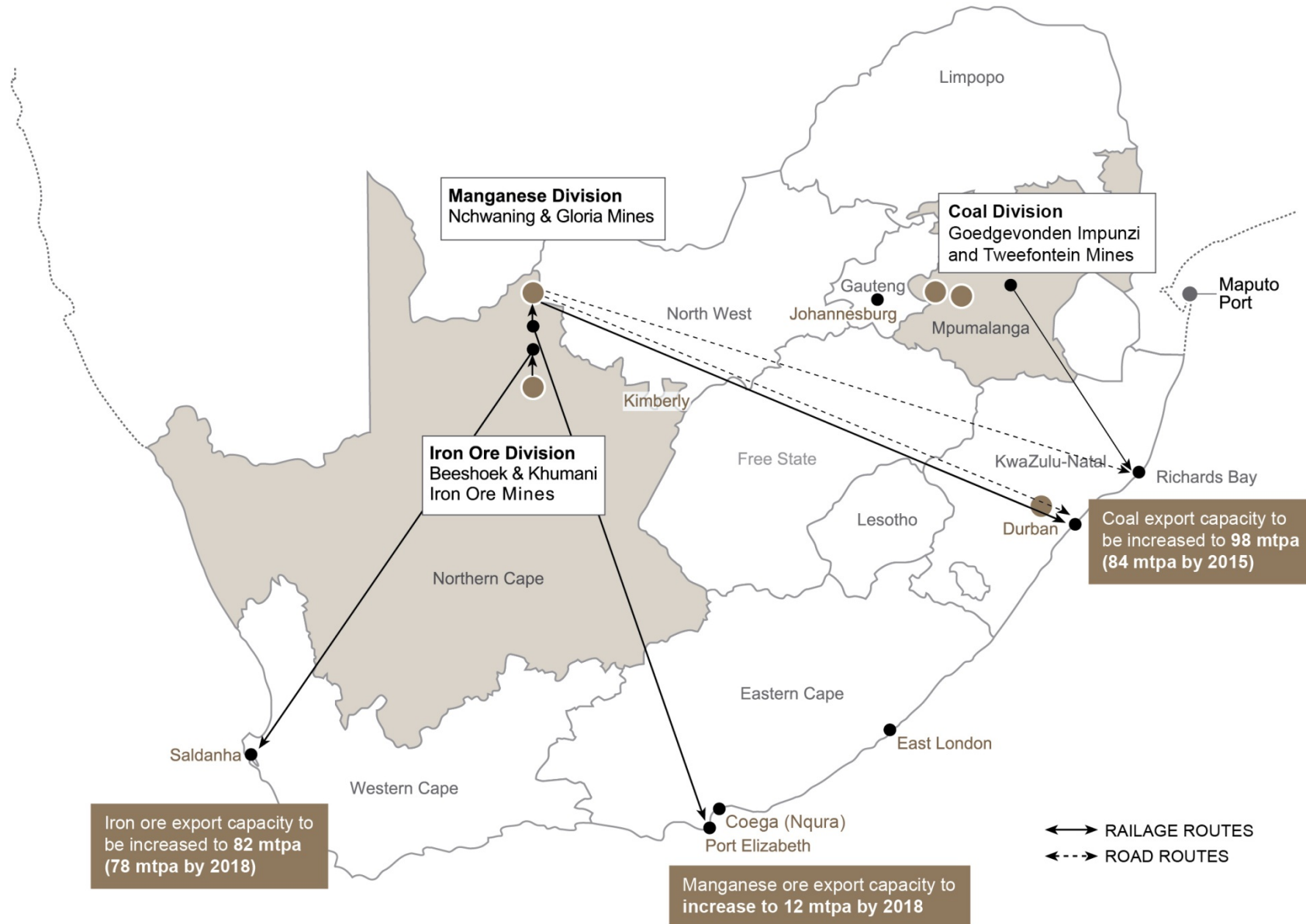
# Capital expenditure

Capital expenditure (R million)\*



*\*The forecasted capital expenditure in F2014 and F2015 is an estimation based on approved projects and projects under consideration*

# Transnet's Market Demand Strategy



# Potential future projects

- Iron ore expansion beyond 16 mtpa
- Manganese ore expansion to 5 mtpa
- Expansion of Modikwa Platinum Mine
- Lubambe Copper Extension
- Exploration with Rovuma Resources
- Thermal coal projects



# ARM Exploration

**ARM signed an agreement in July 2011 with Rovuma Resources which is a Mozambican exploration company, to explore for PGM, nickel, copper and other base metals.**

**Rovuma Resources has been exploring in Mozambique since 2007.**

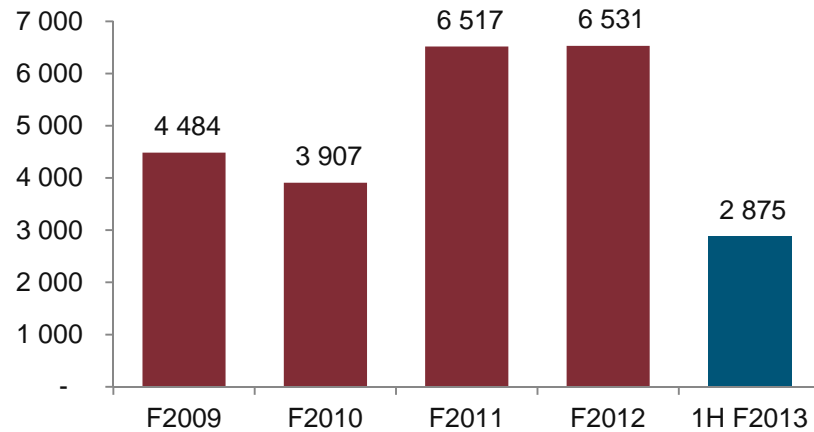
**ARM agreed to continue with the second year of exploration (commencing April 2012) and to fund exploration at a cost of \$7 million per year. Drilling has commenced and base metal intersections have been made.**

# Financial position



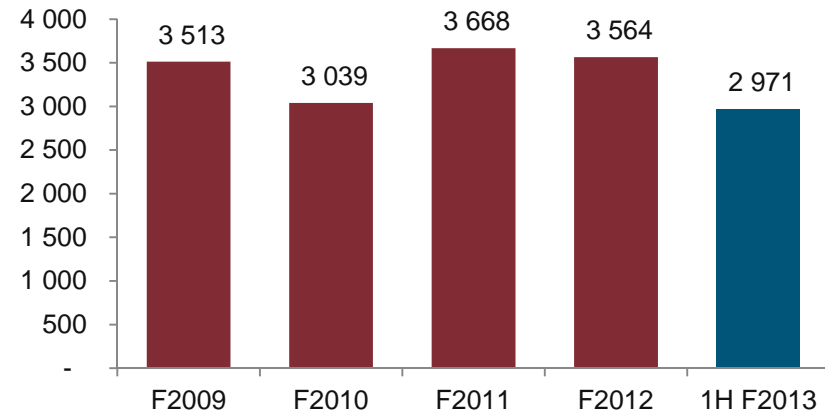
## EBITDA excluding exceptional items

R million



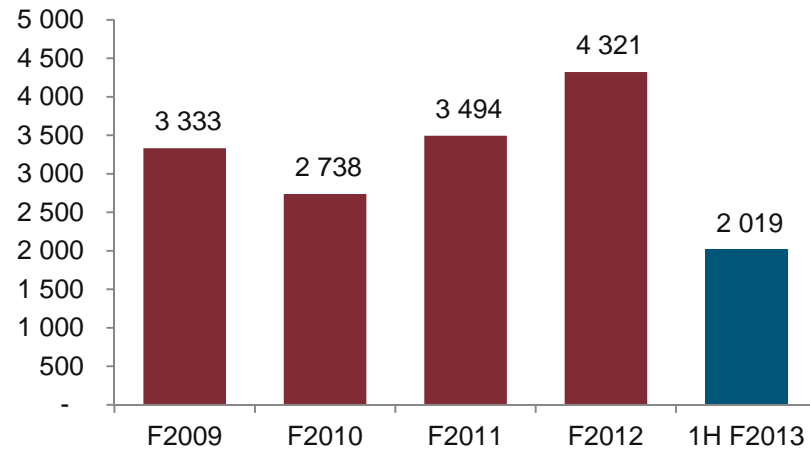
## Cash on statement of financial position

R million



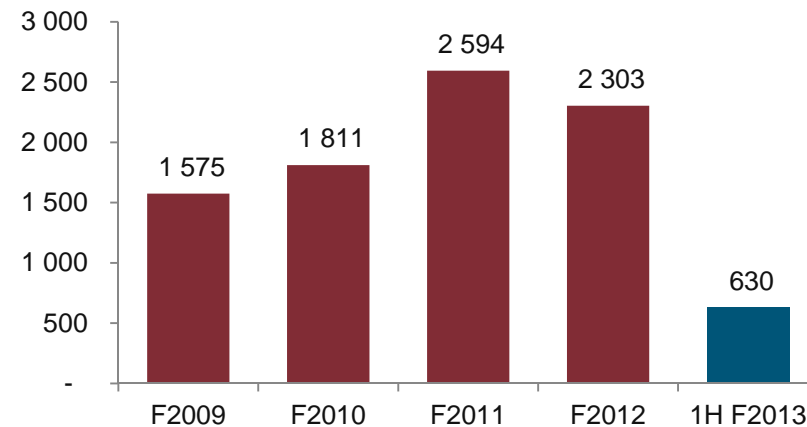
## Capital expenditure

R million



## Net cash excluding partner loans

R million



**Questions?**

# Appendix

# Net cash / (net debt) position



R million	six months ended 31 December		change
	2012	2011	
Cash and cash equivalents	2 971	2 825	146
Long term interest borrowings	(3 370)	(1 835)	(1 535)
Short term interest borrowings	(1 011)	(1 227)	216
<b>Total interest bearing borrowings</b>	<b>(4 381)</b>	<b>(3 062)</b>	<b>(1 319)</b>
<b>Net cash including partner loans</b>	<b>(1 410)</b>	<b>(237)</b>	<b>(1 173)</b>
Partner loans:			
Modikwa loan from Anglo Platinum	114	114	-
Two Rivers loan from Impala	48	48	-
ARM Coal loan from Xstrata	1 575	1 727	(152)
Vale / ARM Joint Venture from ZCCM-IH	303	16	287
<b>Net cash excluding partner loans</b>	<b>630</b>	<b>1 668</b>	<b>(1 038)</b>

# Income statement



	six months ended 31 December		
R million	2012	2011*	% change
Sales	8 845	8 721	1
Profit from operations (before exceptional items)	2 061	3 158	(35)
Income from investments	123	141	(13)
Finance costs	(108)	(93)	(16)
Income / (loss) from associate	42	(6)	-
Exceptional items	-	2	-
Taxation	(628)	(1 081)	42
Non-controlling interest	(84)	(85)	1
Profit after tax and non-controlling interest	1 406	2 036	(31)
<b>Headline earnings</b>	<b>1 406</b>	<b>1 997</b>	<b>(30)</b>
<b>Headline earnings cents per share</b>	<b>654</b>	<b>937</b>	<b>(30)</b>
<b>EBITDA</b>	<b>2 875</b>	<b>3 731</b>	<b>(23)</b>

\* 1H F2012 was restated to take into account the early adoption of IFRIC 20.

# Cash flow statement



	<b>six months ended 31 December</b>		
<b>R million</b>	<b>2012</b>	<b>2011*</b>	<b>change</b>
Cash generated from operations	1 665	2 673	(1 008)
Net finance income	35	59	(23)
Dividends received	32	38	(6)
Dividends paid	(1 021)	(959)	(63)
Tax paid	(350)	(631)	281
	361	1 180	(819)
Maintenance capital expenditure	(778)	(419)	(359)
Expansionary capital expenditure	(1 272)	(1 561)	289
Other	(66)	(25)	(41)
	(2 116)	(2 005)	(111)
Net borrowings raised/ (repaid)	934	(43)	977
Other	74	87	(13)
	1 008	44	964
<b>Net cash movement</b>	<b>(747)</b>	<b>(781)</b>	<b>34</b>

\* 1H F2012 was restated to take into account the early adoption of IFRIC 20.

# Statement of financial position



		six months ended 31 December	
		2012	2011
<b>R million</b>			
<b>Non-current assets</b>		<b>26 946</b>	25 198
Property, plant, equipment and other		20 684	17 763
Investments		6 262	7 435
Other		-	-
<b>Current assets</b>		<b>10 163</b>	9 243
Cash and equivalents		2 971	2 825
Other		7 192	6 418
<b>Total assets</b>		<b>37 109</b>	34 441
<b>Total Equity</b>		<b>24 901</b>	23 896
Non-current liabilities:	Long-term borrowings	3 370	1 835
	Other	4 957	4 537
Current liabilities:	Short-term borrowings	1 011	1 227
	Other	2 870	2 946
<b>Total equity and liabilities</b>		<b>37 109</b>	34 441

\* 1H F2012 was restated to take into account the early adoption of IFRIC 20.



# Cash flow statement



Cash flow statement analysis – cash and cash equivalents (R million)



# Operational summary



				1H F2013	1H F2012	% change
ARM Platinum (100% basis)	Modikwa	PGMs in concentrate	Ounces, 6E	176 701	176 490	-
		Cash cost	R/kg, 6E	187 418	157 246	19
		Cash operating margin	%	20	28	
	Two Rivers	PGMs in concentrate	Ounces, 6E	179 513	163 177	10
		Cash cost	R/kg, 6E	164 629	152 200	8
		Cash operating margin	%	34	35	
	Nkomati	Contained nickel	Tonnes	11 258	6 014	87
		Chrome ore / concentrate sold	kt	76	315	(76)
		C1 cash cost net of by-products	US\$/lb.	5.13	10.24	(50)
		Cash operating margin	%	33	(15)	
ARM Ferrous (100% basis)	Iron ore	Sales tonnes	Mt	7 433	6 781	10
		Change in costs compared to comparable period	%	25.0	17.8	
		EBITDA margin	%	48.0	64.1	
	Manganese ore	Sales tonnes (excl intra-group sales)	Mt	1 513	1 590	(5)
		Change in costs compared to comparable period	%	26	4.4	
		EBITDA margin	%	26	37.3	
	Manganese alloy	Sales tonnes (excl intra-group sales)	kt	107	104	3
		Change in costs compared to comparable period	%	-	(5.3)	
		EBITDA margin	%	12	41.0	
	Charge chrome	Sales tonnes	kt	112	86	30
		Change in costs compared to comparable period	%	-	20.8	
		EBITDA margin	%	5	(0.2)	
	Chrome ore	Sales tonnes	kt	483	211	129
		Change in costs compared to comparable period	%	7	(2.8)	
		EBITDA margin	%	6	38.4	
ARM Coal	GGV	Total saleable production	Mt	4.41	2.80	58
		On mine saleable cost	R/tonne	158	209	(24)
	PCB	Total saleable production	Mt	6.65	6.38	4
		On mine saleable cost	R/tonne	302	329	(8)