Production and Reserves Summary

Copper

Copper Production Summary

Facility	Product	Year ended 31 March 2012 mt	Year ended 31 March 2011 mt
Tuticorin	Copper anode	327,703	304,964
	Sulphuric acid	1,026,471	968,760
	Phosphoric acid	153,243	154,232
	Copper cathode	169,448	141,281
	Copper rods	44,961	54,006
Silvassa	Copper cathode	156,428	162,710
	Copper rods	116,460	133,886
KCM	Copper cathode	199,765	216,499

Copper Mining Summary

		Ore mined		Copper concentrate		Copper in concentrate	
Mine	Type of mine	31 March 2012 mt	31 March 2011 mt	31 March 2012 mt	31 March 2011 mt	31 March 2012 mt	31 March 2011 mt
Mt Lyell (CMT)	Underground	2,067,407	1,976,177	85,336	83,940	22,607	22,929
Konkola (KCM)	Underground	9,064,821	9,976,599	298,979	269,130	99,208	89,751

Copper Mine Resource and Reserve Summary

		Resources				Reserves	
Mine	Type of mine	Measured and indicated million mt	Copper grade %	Inferred million mt	Copper grade %	Proved and probable reserves million mt	Copper grade %
Mt Lyell (CMT)	Underground	5.4	1.21	26.1	1.09	6.0	1.23
Konkola (KCM)	Underground	103.9	1.64	215.1	2.74	369.9	1.63

Resources are additional to Reserves.

Aluminium, Alumina and Bauxite

Aluminium Production Summary

Company	Year ended 31 March 2012 mt	Year ended 31 March 2011 mt
BALCO	245,654	255,298
MALCO	–	–
VAL	429,723	385,363

Alumina Production Summary

Company	Year ended 31 March 2012 mt	Year ended 31 March 2011 mt
BALCO	–	–
MALCO	–	–
VAL	927,516	706,640

Production and Reserves Summary continued

Bauxite Production Summary

Company	Year ended 31 March 2012 mt	Year ended 31 March 2011 mt
BALCO – Mainpat	620,223	564,608
BALCO – Bodai Daldali	882,300	506,108
MALCO	–	–

Bauxite Mine Resource and Reserve Summary

	Resources				Reserves	
Mine	Measured and indicated million mt	Aluminium grade %	Inferred million mt	Aluminium grade %	Proved and probable reserves million mt	Aluminium grade %
BALCO						
Manipat	–	–	5.0	48.1	3.37	46.1
Bodai-Daldali	–	–	2.0	48.0	3.71	46.6
Pandrapat	–	–	8.0	48.0	–	–
Jamirapat	–	–	15.7	50.5	–	–
Total BALCO	**–**	**–**	**30.7**	**49.3**	**7.08**	**46.4**
MALCO						
Kolli Hills	0.77	44.0	–	–	0.15	43.0

Resources are additional to Reserves.

Zinc and Lead

Zinc and Lead Production Summary:

Company	Year ended 31 March 2012 mt	Year ended 31 March 2011 mt
NZL		
Zinc	758,716	712,471
Lead	92,099	57,294

Zinc and Lead Mining Summary:

a) Metal Mined & Metal Concentrate

		Ore mined		Zinc concentrate		Lead concentrate		Bulk concentrate	
Mine	Type of mine	31 March 2012 mt	31 March 2011 mt	31 March 2012 mt	31 March 2011 mt	31 March 2012 mt	31 March 2011 mt	31 March 2012 mt	31 March 2011 mt
Rampura Agucha	Open cut	5,947,081	6,149,165	1,261,570	1,319,245	101,629	117,272	–	–
Rajpura Dariba	Underground	587,600	496,234	41,512	40,246	9,425	7,937	20,003	10,322
Sindesar Khurd	Underground	1,303,050	654,050	100,683	53,118	49,455	18,959	–	3,943
Zawar	Underground	204,150	240,550	–	–	–	–	22,007	55,265
Total		**8,041,881**	**7,539,999**	**1,403,765**	**1,412,609**	**160,509**	**144,168**	**42,010**	**69,530**

b) Metal in Concentrate (MIC)

		Zinc concentrate		Lead concentrate	
Mine	Type of mine	31 March 2012 mt	31 March 2011 mt	31 March 2012 mt	31 March 2011 mt
Rampura Agucha	Open cut	649,583	677,426	59,898	68,773
Rajpura Dariba	Underground	27,791	23,193	5,547	5,220
Sindesar Khurd	Underground	51,147	26,695	25,141	10,415
Zawar	Underground	10,048	24,810	1,277	3,521
Total		**738,569**	**752,125**	**91,863**	**87,928**

Zinc and Lead Mine Resource and Reserve Summary

Zinc India

	Resources						Reserves		
Mine	Measured and indicated million mt	Zinc grade %	Lead grade %	Inferred million mt	Zinc grade %	Lead grade %	Proved and probable reserves million mt	Zinc grade %	Lead grade %
Rampura Agucha	17.2	14.9	2.0	23.9	11.6	2.0	69.3	13.7	1.9
Rajpura Dariba	8.4	7.1	2.0	35.1	7.8	2.1	8.8	6.3	1.7
Zawar	25.4	5.0	1.8	38.7	5.0	2.6	7.8	3.6	2.0
Kayar	8.8	10.5	1.6	0.7	7.0	1.0	1.8	12.6	1.8
Sindesar Khurd	11.4	5.4	2.7	48.4	4.5	3.1	21.6	4.5	2.7
Bamnia Kalan	1.7	5.3	1.8	3.4	5.0	3.8	–	–	–
Total	**72.9**	**8.3**	**2.0**	**150.2**	**6.6**	**2.6**	**109.3**	**10.6**	**2.0**

Resources are additional to Reserves.

Zinc International

	Resources						Reserves		
Mine	Measured and indicated million mt	Zinc grade %	Lead grade %	Inferred million mt	Zinc grade %	Lead grade %	Proved and probable reserves million mt	Zinc grade %	Lead grade %
Skorpion	2.60	9.66	–	–	–	–	6.50	9.70	–
BMM									
– Deeps	13.40	2.42	3.50	4.80	2.12	2.34	8.20	2.54	2.83
– Broken Hill	–	–	–	–	–	–	–	–	–
– Swartberg	15.50	0.70	3.01	30.10	0.67	2.84	–	–	–
– Gamsberg	100.70	6.74	0.54	85.60	7.06	0.31	–	–	–
Lisheen	1.20	14.60	2.28	0.50	13.46	4.21	3.80	11.15	1.65

Resources are additional to Reserves.

Zinc Production Summary:

Company	**Year ended 31 March 2012 mt**	Year ended 31 March 2011 mt
Skorpion	144,755	49,698

Zinc and Lead Mining Summary:

a) Metal Mined & Metal Concentrate

		Ore mined		Zinc concentrate		Lead concentrate	
Mine	Type of mine	**31 March 2012 mt**	31 March 2011 mt	**31 March 2012 mt**	31 March 2011 mt	**31 March 2012 mt**	31 March 2011 mt
Skorpion	Underground	1,676,001	486,102	–	–	–	–
BMM and Gamsberg	Underground	1,434,088	246,947	64,682	15,259	74,645	13,183
Lisheen	Underground	1,397,697	158,440	343,196	42,661	49,053	6,562
Total		**4,507,786**	**891,489**	**407,878**	**57,920**	**123,698**	**19,745**

b) Metal in Concentrate (MIC)

		Zinc in concentrate		Lead in concentrate	
Mine	Type of mine	**31 March 2012 mt**	31 March 2011 mt	**31 March 2012 mt**	31 March 2011 mt
BMM and Gamsberg	Underground	31,770	7,593	53,579	9,324
Lisheen	Underground	183,206	22,775	30,202	3,913
Total		**214,976**	**30,368**	**83,781**	**13,237**

* 2010–11 numbers are post acquisition.

Production and Reserves Summary continued

Iron Ore

Iron Ore Production Summary

Company	Year ended 31 March 2012 million mt	Year ended 31 March 2011 million mt
Sesa Goa		
Saleable Iron Ore	15.6	21.1
Goa	11.0	11.6
Karnataka	1.1	3.3
Orissa	–	1.5
Dempo	3.5	4.6

Iron Ore Resource and Reserve Summary

	Resources			Reserves		
Mine	Measured and indicated million mt	Iron ore grade %	Inferred million mt	Iron ore grade %	Proved and probable reserves million mt	Iron ore grade %
Ore	138.75	53.41	68.36	48.68	166.65	55.48

Comprises mines that Sesa owns or has rights to.

Resources are additional to Reserves.

Oil and Gas

Cairn India

Estimates of the gross proved, probable, and possible oil, condensate, and sales-gas reserves, as of 31 March 2012, attributable to certain properties owned by Cairn India, are summarised by field below, expressed in 10^3bbl of oil and condensate and 10^6ft^3 of sales gas:

	Gross Reserves					
	Proved		Probable		Possible	
Fields	Oil and Condensate (10^3bbl)	Sales Gas (10^6ft^3)	Oil and Condensate (10^3bbl)	Sales Gas (10^6ft^3)	Oil and Condensate (10^3bbl)	Sales Gas (10^6ft^3)
CB-OS/2 PSC						
– CB-X	–	–	–	–	–	–
– Gauri	250	1,690	260	1,260	1,800	2,400
– Lakshmi	3,230	8,020	3,530	7,270	12,530	7,560
CB-OS/2 PSC Total	3,480	9,710	3,790	8,530	14,330	9,960
RJ-ON-90/1 PSC						
– Aishwariya	23,700	–	3,370	–	800	–
– Bhagyam	71,590	–	23,110	–	16,600	–
– Mangala	240,510	–	84,220	–	47,900	–
– Raageshwari Shallow	2,230	–	1,420	–	1,500	–
– Raageshwari Deep	–	–	–	–	–	–
– Saraswati	1,100	–	180	–	300	–
RJ-ON-90/1 PSC Total	339,130	–	112,300	–	67,100	–
PKGM-1 Licence						
– Ravva	12,580	21,690	30,690	13,280	25,730	15,630
Grand Total	**355,190**	**31,400**	**146,780**	**21,810**	**107,160**	**25,590**

Note: Probable and possible reserves have not been risk adjusted to make them comparable to proved reserves.

Estimates of the proved, probable, and possible oil, condensate, and sales-gas reserves, as of 31 March 2012, attributable to the working interests of certain properties owned by Cairn India, are summarised by field below, expressed in 10^3bbl of oil and condensate and 10^6ft^3 of sales gas:

	Working Interest Reserves Summary					
	Proved		Probable		Possible	
Fields	Oil and Condensate (10^3bbl)	Sales Gas (10^6ft^3)	Oil and Condensate (10^3bbl)	Sales Gas (10^6ft^3)	Oil and Condensate (10^3bbl)	Sales Gas (10^6ft^3)
CB-OS/2 PSC						
– CB-X	–	–	–	–	–	–
–Gauri	100	676	104	504	720	960
– Lakshmi	1,292	3,208	1,412	2,908	5,012	3,024
CB-OS/2 PSC Total	1,392	3,884	1,516	3,412	5,732	3,984
RJ-ON-90/1 PSC						
– Aishwariya	16,590	–	2,359	–	560	–
– Bhagyam	50,113	–	16,177	–	11,620	–
– Mangala	168,357	–	58,954	–	33,530	–
– Raageshwari Shallow	1,561	–	994	–	1,050	–
– Raageshwari Deep	–	–	–	–	–	–
– Saraswati	770	–	126	–	210	–
RJ-ON-90/1 PSC Total	237,391	–	78,610	–	46,970	–
PKGM-1 Licence						
– Ravva	2,831	4,880	6,905	2,988	5,789	3,517
Grand Total	**241,614**	**8,764**	**87,031**	**6,400**	**58,491**	**7,501**

Note: Probable and possible reserves have not been risk adjusted to make them comparable to proved reserves.

Source of Information:
In respect of all businesses, the information has been certified by an in-house geologist on behalf of Group management.

Basis of Preparation
Ore reserves and mineral resources reported herein comply with the 'Australasian Code for Reporting of Identified Mineral Resources and Ore Reserves', other than those relating to Konkola Copper Mines plc ('KCM') which complies with the South African Code for Reporting of Mineral Reserves and Mineral Resources (the 'SAMREC Code'). The former code is prepared by the Joint Ore Reserves Committee of the Australasian Institute of Mining and Metallurgy, Australian Institute of Geoscientists, and Minerals Council of Australia, and is commonly referred to as the 'JORC Code'. As at the date of this document, the editions of the JORC and SAMREC Codes in force are dated December 2004 and March 2000, respectively. The JORC and SAMREC Codes recognise a fundamental distinction between resources and reserves.

The terms and definitions in the SAMREC Code are consistent with those used in the JORC Code with minor differences in terminology – the JORC Code uses the term Ore Reserve whilst the SAMREC Code uses the term Mineral Reserve. For the purposes of ore and mineral resources reported herein, the term ore resources have been used throughout.

Mineral resources are based on mineral occurrences quantified on the basis of geological data and an assumed cut-off grade, and are divided into Measured, Indicated and Inferred categories reflecting decreasing confidence in geological and/or grade continuity. The reporting of resource estimates carries the implication that there are reasonable prospects for eventual economic exploitation. An Ore or Mineral Reserve is the economically mineable part of a Measured or Indicated Mineral Resource. It includes the effect of dilution and losses which may occur when the material is mined. Appropriate assessments, which may include feasibility studies, need to have been carried out and include consideration of and modification by realistically assumed mining, metallurgical, economic, marketing, legal, environmental, social and governmental factors.

These assessments demonstrate at the time of reporting that extraction could be reasonably justified. Ore Reserves are sub-divided in order of decreasing confidence into Proved Ore Reserves and Probable Ore Reserves.

The Measured and Indicated mineral resources have been reported as being inclusive of those mineral resources modified to produce the ore reserves, in addition to the ore reserves. The resource and reserve estimates provided herein comply with the resource and reserve definitions of the JORC Code, other than those relating to KCM which comply with the SAMREC Code.