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# APPENDIX SUSTAINABILITY REPORT 2018

# MMG STAKEHOLDERS AND ENGAGEMENT AVENUES

MMG regularly engages with a number of stakeholders across our sites and around the world, both internally and externally. Where we choose individuals to engage with on behalf of a stakeholder group, we strive to ensure we select a diverse range and representation to ensure we are hearing as broad a range of opinions as possible.

Some examples of this include:

- > talking to employees during development training programs;
- > engaging larger contractors in over-the-phone interviews; and
- > meetings with NGOs to hear their feedback about our performance and opportunities for improvement.

The below table is a list of each stakeholder, their sub-groups, their areas of interest and the varying engagement avenues we use to hear from them.

STAKEHOLDER	STAKEHOLDER GROUPS	AREAS OF INTEREST	ENGAGEMENT AVENUES
<b>Employees</b>	MMG employees and contractors at: <ul style="list-style-type: none"> <li>&gt; mine sites</li> <li>&gt; development projects exploration projects</li> <li>&gt; all offices including Group head office in Melbourne</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Staff safety and wellbeing – safety management and performance</li> <li>&gt; Our economic performance – business strategy</li> <li>&gt; Talent attraction and retention – values and behaviours, working conditions, work plans, remuneration and benefits, career opportunities</li> <li>&gt; Diversity – equal opportunity</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Safety meetings</li> <li>&gt; Shift change meetings</li> <li>&gt; Management and CEO presentations</li> <li>&gt; Emailed and hardcopy updates</li> <li>&gt; Corporate and individual site intranets</li> <li>&gt; Quarterly employee magazine</li> <li>&gt; Cultural and people development programs and training</li> <li>&gt; Bi-annual People and Culture Survey</li> <li>&gt; Social media channels</li> </ul>
<b>Communities</b>	<ul style="list-style-type: none"> <li>&gt; Host and regional communities</li> <li>&gt; Local villages and towns near our operations</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Post-closure community expectations and community and regional development – impacts on local communities, community investment and development, local amenity and housing</li> <li>&gt; Stakeholder relationships – local business support</li> <li>&gt; Environmental management and compliance – environmental impacts and management</li> <li>&gt; Public interaction with operations – health and safety impacts</li> <li>&gt; Economic sustainability – future financial viability</li> <li>&gt; Community and regional development – sustainable employment post mine life</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Community investment projects</li> <li>&gt; Quarterly and monthly newsletters</li> <li>&gt; Meetings</li> <li>&gt; Written communications</li> <li>&gt; Local media</li> <li>&gt; Social Impact Assessment</li> <li>&gt; Sponsorships</li> </ul>

## MMG STAKEHOLDERS AND ENGAGEMENT AVENUES

STAKEHOLDER	STAKEHOLDER GROUPS	AREAS OF INTEREST	ENGAGEMENT AVENUES
<b>Suppliers</b>	Businesses from which we purchase products and services	<ul style="list-style-type: none"> <li>› Our economic performance – economic security of the business, supply opportunities, payment processes</li> <li>› Contractor selection – health and safety, contractor management procedures, supplier contractual conditions</li> </ul>	<ul style="list-style-type: none"> <li>› Tender and contract documents</li> <li>› Direct communications</li> <li>› Induction and training</li> </ul>
<b>Government</b>	<ul style="list-style-type: none"> <li>› Regulators and government authorities with responsibilities for the areas where we operate</li> <li>› Local, state and federal government in countries including Australia, Laos, Peru, DRC and Canada</li> </ul>	<ul style="list-style-type: none"> <li>› Government relations – compliance with permits and licences, social policy and fiscal regimes applicable to the resources sector</li> <li>› Community and regional development – engagement with host and local communities, community investment and development, market access</li> <li>› Environmental management and compliance – environmental impact management, product stewardship</li> </ul>	<ul style="list-style-type: none"> <li>› Statutory and licence reporting, regular meetings</li> <li>› Written communication</li> <li>› Foreign Investment and Review Board reporting</li> </ul>
<b>Investors</b>	<ul style="list-style-type: none"> <li>Retail investors in Hong Kong and Australia</li> <li>› Global institutional investors</li> <li>› Analysts and brokers</li> <li>› Stock commentators</li> <li>› China Minmetals Corporation (majority Shareholder)</li> <li>› Debt providers</li> </ul>	<ul style="list-style-type: none"> <li>› Company performance</li> <li>› MMG share price – earnings and production results, share price performance against industry peers</li> <li>› Growth strategy including acquisitions, projects and exploration</li> <li>› Commodity and market outlook</li> <li>› Board and governance</li> <li>› Corporate responsibility and sustainable development</li> </ul>	<ul style="list-style-type: none"> <li>› Announcements to the Hong Kong and Australian Stock Exchanges in accordance with their Listing Rules</li> <li>› Quarterly production reports, interim and annual reports</li> <li>› Investor roadshows, meetings, teleconferences and site visits</li> <li>› Attendance and presentations at major global mining conferences</li> <li>› Shareholder communications</li> <li>› Monthly and quarterly Shareholder reports to the Board</li> </ul>
<b>Non-government organisations</b>	<ul style="list-style-type: none"> <li>› Non-government organisations</li> <li>› Special interest groups</li> </ul>	<ul style="list-style-type: none"> <li>› Community and regional development – impacts on local communities, community investment and development, community health, local infrastructure development and investment</li> <li>› Public interaction with operations – interactions with local communities</li> <li>› Human rights</li> <li>› Bribery and facilitation payments</li> <li>› Workforce localisation</li> <li>› Environmental management and compliance – environmental impacts and management</li> <li>› Post-closure community expectations</li> <li>› Management decision making – governance, risk management, Board composition and operation</li> </ul>	<ul style="list-style-type: none"> <li>› Sustainability report</li> <li>› Meetings</li> <li>› Media releases</li> <li>› Website content</li> <li>› Site visits</li> <li>› Social media channels</li> </ul>

## MMG STAKEHOLDERS AND ENGAGEMENT AVENUES

STAKEHOLDER	STAKEHOLDER GROUPS	AREAS OF INTEREST	ENGAGEMENT AVENUES
<b>Media</b>	<ul style="list-style-type: none"> <li>&gt; Local and regional media in the areas of our operations</li> <li>&gt; Finance and resources media internationally</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Potential for interest in all material issues, particularly those of current interest to other stakeholders</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Media releases</li> <li>&gt; Website content</li> <li>&gt; Media tours, interviews</li> </ul>
<b>Industry</b>	<ul style="list-style-type: none"> <li>&gt; Other mining businesses</li> <li>&gt; Industry associations</li> <li>&gt; University and technical training providers</li> <li>&gt; Unions</li> </ul>	<ul style="list-style-type: none"> <li>&gt; MMG share price – earnings and production results, share price performance against industry peers</li> <li>&gt; Acquisition investment – project announcements, merger and acquisition programs</li> <li>&gt; Management decision making – governance, risk management, Board composition and operation</li> <li>&gt; Stakeholder relationships and government relations – support for industry initiatives, involvement in industry fora, support for industry specific training and development</li> </ul>	<ul style="list-style-type: none"> <li>&gt; Membership of international, national and regional industry groups</li> <li>&gt; Representation on executive and working group committees</li> <li>&gt; Sustainability reporting against GRI and ICMM benchmarks</li> <li>&gt; Sponsorship and support of technical training institutions and industry associations</li> </ul>

# ICMM CONTENT INDEX

This table identifies the ICMM's 10 Sustainable Development Principles and Position Statements, and where to find related content in MMG's 2018 Sustainability Report.

Further information regarding our alignment with the ICMM's Sustainable Development Principles and Position Statements is progressively updated on [www.mmg.com](http://www.mmg.com).

AR = 2018 Annual Report

## ICMM PRINCIPLES

ICMM PRINCIPLE	REPORT SECTION	PAGE
1 Implement and maintain ethical business practices and sound systems of corporate governance.	> Who we are – our operating model	15
	> The way we work – business ethics	19
	> The way we work – corporate governance	19
	> The way we work – compliance and conformance	20
2 Integrate sustainable development considerations within the corporate decision-making process.	> Chief Executive Officer's message	4-5
	> Who we are – growth strategy	11
	> Who we are – our commitment to sustainable development	14
	> 2018–20 objectives and targets	62-63
3 Uphold fundamental human rights and respect customs and values in dealings with employees and others who are affected by our activities.	> 2018 Annual Report – 26. Provisions a) mine rehabilitation, restoration and dismantling	AR 141 ( <a href="http://www.mmg.com">www.mmg.com</a> )
	> Who we are – our people	15
	> Who we are – freedom of association and collective bargaining	16
	> The way we work – business ethics	19
	> The way we work – stakeholder engagement	28
4 Implement risk management strategies based on valid data and sound science.	> We minimise our impact – human rights	43
	> The way we work – sovereign risk and government relationships	28
5 Seek continual improvement of our health and safety performance.	> Who we are – our standards	15
	> The way we work – safety	20
	> The way we work – health	26
6 Seek continual improvement of our environmental performance.	> MMG website - safety page	<a href="http://www.mmg.com">www.mmg.com</a>
	> We minimise our impact – water access and use	47-50
	> We minimise our impact – tailings and waste rock management	51
	> We minimise our impact – tailings storage	52-53
	> We minimise our impact – mine closure	54
	> We minimise our impact – land management, rehabilitation and biodiversity	55-57
	> MMG website - environment page	<a href="http://www.mmg.com">www.mmg.com</a>
> 2018 Annual Report – ESG approach and performance	AR 73-81 ( <a href="http://www.mmg.com">www.mmg.com</a> )	
7 Contribute to conservation and biodiversity and integrated approaches to land use planning.	> We minimise our impact – land management, rehabilitation and biodiversity	55-57
	> MMG website - environment page	<a href="http://www.mmg.com">www.mmg.com</a>

## ICMM CONTENT INDEX

ICMM PRINCIPLE	REPORT SECTION	PAGE
8 Facilitate and encourage responsible product design, use, re-use, recycling and disposal of products.	> Who we are – product stewardship	13
9 Contribute to the social, economic and institutional development of the communities in which we operate.	> Who we are – our commitment to sustainable development	14
	> We contribute to development – social development and investment	33-36
	> We contribute to development – how we contribute to the UN SDGs.	34-35
	> We contribute to development – commitment to local employment	37
	> We contribute to development – local supply	38-39
	> We contribute to development – tax and community contribution	40-41
	> We minimise our impact – mine closure	54
	> We minimise our impact – discontinued operations	58-61
10 Implement effective and transparent engagement, communication and independently verified reporting arrangements with our stakeholders.	> About our report – materiality assessment process	Inside cover
	> The way we work – stakeholder engagement	28
	> Assurance terms and statement	64-69
	> Appendix: MMG Stakeholders and Engagement Avenues	<a href="http://www.mmg.com">www.mmg.com</a>

## ICMM CONTENT INDEX

### ICMM POSITION STATEMENTS

ICMM POSITION STATEMENT	MMG ALIGNMENT	REPORT SECTION	PAGE
1 ICMM Principles for Climate Change Policy Design	Partial alignment	> About our report	Inside cover
		> Highlight – climate change	46
		> MMG website - Environment page	www.mmg.com
		> 2018 Annual Report – ESG approach and performance	AR 73-81 (www.mmg.com)
2 Mining: Partnerships for Development	Partial alignment	> Who we are – our commitment to sustainable development	14
		> The way we work – sovereign risk and government relationships	28
		> The way we work – stakeholder engagement	28
		> We contribute to development – how we contribute to the UN SDGs.	34-35
		> We contribute to development – commitment to local employment	37
		> We contribute to development – local supply	38-39
3 Transparency of Mineral Revenues	Partial alignment	> Who we are – our commitment to sustainable development	14
		> We contribute to development – tax and community contribution	40-41
		> 2018 Annual Report – mineral resources and ore reserves	AR 7-16 (www.mmg.com)
		> EITI website	www.eiti.org
4 Mercury Risk Management	Partial alignment	> Who we are – product stewardship	13
		> Who we are – our standards	15
		> We minimise our impact – artisanal mining	46
		> Emission estimates for Australian facilities	www.npi.gov.au/npi-data/latest-data
		<i>While we have some instances of small-scale mining on our tenements, we have no known artisanal and small-scale gold mining activity in close proximity to our operations that involves gold mining using elemental mercury.</i>	
5 Indigenous Peoples and Mining	Partial alignment	> The way we work – stakeholder engagement	28
6 Mining and Protected Areas	Partial alignment	> Who we are – our standards	15
		> MMG website - environment page	www.mmg.com
		<i>Our minimum requirements for land, biodiversity and cultural heritage management are outlined in our Environment Standard and are aligned to the individual member commitments in the position statement.</i>	
7 Tailings Governance	Partial alignment	> We minimise our impact – tailings and waste rock management	51
		> We minimise our impact – tailings storage	52-53
		> MMG website - environment page	www.mmg.com
8 Water Stewardship	Partial alignment	> We minimise our impact – water access and use	47-49
		> MMG website - environment page	www.mmg.com

# GRI CONTENT INDEX

MMG's 2018 Sustainability Report is prepared in accordance with the Global Reporting Initiatives' (GRI) Sustainability Reporting Standards: Core option, as well as specific GRI indicators as they relate to each of our material issues.

This table references:

- > GRI Standard and sector-specific indicators selected for each material Aspect; and
- > indicators that have been independently assured (●).

Where an indicator is addressed directly in the table, relevant text appears in italics.

AR = 2018 Annual Report

FOUNDATION			
Indicator	Disclosure	Report section	Page
1.1	Stakeholder inclusiveness	> About our report	Inside cover
		> Material issues / year in review	6-7
		> Appendix – MMG Stakeholders and engagement avenues	www.mmg.com
1.2	Sustainability context	> Our commitment to the UN SDGs	8-9
		> Who we are – growth strategy	11
		> Who we are – our commitment to sustainable development	14
		> 2018-2020 objectives and targets	62-63
		> 2018 Annual Report: ESG approach and performance	AR 73-81 (www.mmg.com)
1.3	Materiality	> About our report	Inside cover
		> Material issues / year in review	6-7
		<i>MMG considers all material issues raised by stakeholders to be of equal weight and importance, and as such does not prioritise them.</i>	
1.4	Completeness	> About our report	Inside cover
1.5	Accuracy	> About our report	Inside cover
		> Assurance statement	64-69
1.6	Balance	> Throughout report	
1.7	Clarity	> Throughout report	
1.8	Comparability	> Throughout report	
1.9	Reliability	> Assurance statement	
1.1	Timeliness	> Financial year end: 31 December. Report release date: [XX]	
GENERAL DISCLOSURES – ORGANISATIONAL PROFILE			
Indicator	Disclosure	Report section	Page
102-1	Name of the organisation.	> About this report	Inside cover
		> Who we are – overview	11
102-2	Activities, brands, products, and services.	> Our operations	2-3
		> Who we are – supply chain	13
		<i>None of our products or services are banned in any markets.</i>	
102-3	Location of headquarters.	> Who we are - overview	11
102-4	Location of operations.	> Our operations	2-3



## GRI CONTENT INDEX

GENERAL DISCLOSURES – ORGANISATIONAL PROFILE (CONTINUED)			
Indicator	Disclosure	Report section	Page
102-5	Ownership and legal form.	<ul style="list-style-type: none"> <li>&gt; 2018 Annual Report</li> <li>&gt; MMG website</li> </ul>	www.mmg.com
102-6	Markets served.	<ul style="list-style-type: none"> <li>&gt; Who we are – supply chain</li> <li>&gt; Director’s Report – major customers and suppliers</li> </ul>	13 AR 47 (www.mmg.com)
102-7	Scale of the organisation.	<ul style="list-style-type: none"> <li>&gt; Our Operations</li> <li>&gt; Who we are – growth strategy</li> <li>&gt; Who we are - MMG and China Minmetals</li> <li>&gt; Who we are – our people</li> <li>&gt; 2018 MMG Annual Report</li> </ul>	2-3 11 12 15 AR 20-21, 129-131 (www.mmg.com)
102-8	Information on employees and other workers.	<ul style="list-style-type: none"> <li>&gt; Our operations</li> <li>&gt; Who we are – our people</li> <li>&gt; Who we are – freedom of association and collective bargaining</li> </ul> <p><i>The breakdown of employees by employment type, by gender is available in this Appendix under ‘Our People Data Summary’.</i></p> <p><i>Our contractors are important partners in our business, and work with direct MMG employees across the organisation in a number of roles. This includes short- and medium-term projects including construction and site shut-downs, and support direct employees when additional technical expertise is required.</i></p>	2-3 15 16
102-9	Supply chain.	<ul style="list-style-type: none"> <li>&gt; Who we are – supply chain</li> <li>&gt; We contribute to development – local supply</li> </ul>	13 38
102-10	Significant changes to the organisation and its supply chain.	<ul style="list-style-type: none"> <li>&gt; About this report</li> <li>&gt; Chief Executive Officer’s message</li> <li>&gt; Who we are – growth strategy</li> <li>&gt; Who we are – supply chain</li> <li>&gt; We minimise our impact – discontinued operations</li> </ul> <p><i>In 2018, we completed and commissioned our Dugald River zinc operation, and we also announced the sale of our 90% interest in the Sepon mine in Lao PDR. While these two changes were significant to MMG’s overall operation, there was no significant change to the supply chain of MMG.</i></p>	Inside cover 4-5 11 13 58-61
102-11	Precautionary Principle or approach.	<ul style="list-style-type: none"> <li>&gt; Who we are – our standards</li> <li>&gt; The way we work – corporate governance</li> <li>&gt; The way we work – sovereign risk and government relationships</li> </ul> <p><i>The precautionary principle is implemented by MMG through a risk-based management approach.</i></p>	15 19 28

## GRI CONTENT INDEX

GENERAL DISCLOSURES – ORGANISATIONAL PROFILE (CONTINUED)			
Indicator	Disclosure	Report section	Page
102-12	External initiatives	> Our commitment to the UN SDGs	8-9
		> Who we are – our commitment to sustainable development	14
		> The way we work – corporate governance	19
		> The way we work – business ethics	19
		> The way we work – MMG values	19
		> We contribute to development – our community and tax contribution	40-41
102-13	Membership of associations	> Who we are – our commitment to sustainable development	14
		> Who we are – product stewardship	13
		> We minimise our impact – human rights	43
102-14	Statement from senior decision-maker.	> Chief Executive Officer's message	4-5
102-15	Key impacts, risks and opportunities.	> About this report	Inside cover
		> Chief Executive Officer's message	4-5
		> Material issues / year in review	6-7
		> Who we are – growth strategy	11
		> Who we are – our operating model	15
		> 2018 – 2020 objectives and targets	62-63
		> 2018 Annual Report – management discussion and analysis	AR 17-41 (www.mmg.com)
102-16	Values, principles, standards, and norms of behaviour.	> Our commitment to the UN SDGs	8-9
		> The way we work – corporate governance	19
		> The way we work – business ethics	19
		> The way we work – MMG values	19
		> We contribute to development – our community and tax contribution	40-41
102-17	Mechanisms for advice and concerns about ethics.	> The way we work – business ethics	19
102-18	Governance structure.	> The way we work – corporate governance	19
		> 2018 Annual Report – corporate governance report	AR 62-72 (www.mmg.com)
102-40	List of stakeholder groups.	> Appendix - MMG stakeholders and engagement avenues	www.mmg.com
102-41	Collective bargaining agreements.	> Who we are – freedom of association and collective bargaining	16
102-42	Identifying and selecting stakeholders.	> About our report	Inside cover
		> Material issues / year in review	6-7
		> The way we work – stakeholder engagement	28
		> Appendix – MMG stakeholders and engagement avenues	www.mmg.com
102-43	Approach to stakeholder engagement.	> The way we work – stakeholder engagement	28
		> Appendix – MMG stakeholders and engagement avenues	www.mmg.com

## GRI CONTENT INDEX

GENERAL DISCLOSURES – ORGANISATIONAL PROFILE (CONTINUED)			
Indicator	Disclosure	Report section	Page
102-44	Key topics and concerns raised.	> About our report	Inside cover
		> Appendix – MMG stakeholders and engagement avenues	www.mmg.com
102-45	Entities included in the consolidated financial statements.	> 2018 Annual Report	AR 130-131 (www.mmg.com)
102-46	Defining report content and topic boundaries.	> About our report	Inside cover
		> Material issues / year in review	6-7
		<p><i>Minor changes were made to the scope and boundary of material issues that focus our report on those aspects that were most relevant during the 2018 reporting period. We re-categorised two of our material issues, namely Human Rights, and Sovereign Risk and Government Relationships, to better fit with MMG's reporting themes.</i></p> <p><i>We also updated Strategy and Growth to read: The role of brownfield development and near-site exploration in driving our growth objectives, and the role of asset divestment and acquisition as a platform to underpin future growth.</i></p> <p><i>This was changed in line with the business decision to decrease our new discovery exploration programs in Australia and Africa (outside of the DRC), focusing increasingly on exploration opportunities in and around our existing operating hubs. This enables us to put greater focus on opportunities with more near to medium-term growth potential.</i></p>	
102-47	List of material topics.	> Material issues / year in review	6-7
102-48	Restatement of information.	> About our report – report boundary and scope	Inside cover
		<i>No data was restated in the 2018 reporting period.</i>	
102-49	Changes in reporting.	> About our report	Inside cover
		<p><i>In 2018, ownership of our Sepon mine was transferred outside of MMG and, as such, its data was excluded for the purposes of this report. We included Sepon data relating to TRIF and Supply Chain spend (both local and international) to 30 November 2018. A full year of data was included for our Dugald River operation.</i></p>	
102-50	Reporting period.	> 1 January 2018 – 31 December 2018	
102-51	Date of most recent report.	> 2017	www.mmg.com
102-52	Reporting cycle.	> Annual	
102-53	Contact point for questions about the report.	> Our contacts	Inside back cover
102-54	Claims if reporting in accordance with the GRI Standards.	> This report has been prepared in accordance with GRI Standards (Core option)	
102-55	GRI Content Index.	> Appendix – GRI content index	www.mmg.com
102-56	External assurance.	> About our report	Inside cover
		> Assurance Statement	64-69

## GRI CONTENT INDEX

ASPECT SPECIFIC DISCLOSURES – ECONOMIC			
Indicator	Disclosure	Report section	Page
103-1	Explanation of the material topic and its Boundary.	> About this report	Inside cover
		> Material issues / year in review	6-7
		> Throughout our Sustainability Report	
103-2	Management approach and components.	> About our report	Inside cover
		> Material issues / year in review	6-7
		> Throughout our Sustainability Report	
103-3	Evaluation of the management approach.	> About our report	Inside cover
		> Material issues / year in review	6-7
		> Throughout our Sustainability Report	
201-1	Direct economic value generated and distributed	> Our operations	2-3
		> We contribute to development – introduction	33
		> We contribute to development – how we contribute to the UN sustainable development goals	34-35
		> We contribute to development – our commitment to local employment	37
		> We contribute to development – local supply	38
		> We contribute to development – our community and tax contribution	40-41
		> 2018 Annual Report – management discussion and analysis	AR 17-41
		> 2018 Annual Report – Directors Report	AR 42-61
		> 2018 Annual Report – financial statements, note 12	AR 89
		> 2018 Annual Report – profit and loss statement	AR 118
			(www.mmg.com)
204 -1	Proportion of spending on local suppliers	> We contribute to development – local supply	38
		> We contribute to development - our community and tax contribution	40-41
ASPECT SPECIFIC DISCLOSURES – ENVIRONMENT			
Indicator	Disclosure	Report section	Page
103-1	Explanation of the material topic and its Boundary.	> About this report	Inside cover
		> Material issues / year in review	6-7
		> Throughout our Sustainability Report	
103-2	Management approach and components.	> About our report	Inside cover
		> Material issues / year in review	6-7
		> Throughout our Sustainability Report	
103-3	Evaluation of the management approach.	> About our report	Inside cover
		> Material issues / year in review	6-7
		> Throughout our Sustainability Report	
303-3	Water withdrawal by source.	> About our report	Inside cover
		> We minimise our impact - water access and use	47-49

## GRI CONTENT INDEX

ASPECT SPECIFIC DISCLOSURES – ENVIRONMENT (CONTINUED)			
Indicator	Disclosure	Report section	Page
306-1	Water discharge by quality and destination.	<ul style="list-style-type: none"> <li>› About our report</li> <li>› We minimise our impact - water access and use</li> </ul>	<ul style="list-style-type: none"> <li>Inside cover</li> <li>47-49</li> </ul>
		<p><i>Combined water outputs for MMG sites in 2018 included:</i></p> <ul style="list-style-type: none"> <li>- 5,489ML category 1 water (evaporation and supply to third party)</li> <li>- 4,713ML category 2 water (discharge to surface water and seepage)</li> <li>- 16,373ML category 3 water (Entrainment and other)</li> </ul> <p><i>Category 1 water is defined by the ICMM Water Accounting Framework guidelines as 'high quality water which may require minimal and inexpensive treatment to raise quality to appropriate drinking water standard (e.g. near potable water quality).'</i></p> <p><i>Category 2 water, as defined by the ICMM guidelines, is 'medium quality water which would require a moderate level of treatment to meet appropriate drinking water standard (e.g. agricultural use).'</i></p> <p><i>Category 3 water is defined by the ICMM as 'low quality water which would require significant treatment to raise quality to appropriate drinking water standards (e.g. industrial and waste water).'</i></p>	
MM3	Total amounts of overburden, rock, tailings and sludges and their associated risks.	<ul style="list-style-type: none"> <li>› We minimise our impact – management of tailings and waste rock</li> </ul> <p><i>We do not report data on sludges as we focus on the most material mineral waste streams of our business.</i></p>	51
307-1	Environmental compliance	<ul style="list-style-type: none"> <li>› The way we work – compliance and conformance</li> <li>› The way we work – tailings storage</li> <li>› 2018 Annual Report – ESG approach and performance</li> </ul>	<ul style="list-style-type: none"> <li>20</li> <li>52-53</li> <li>AR 73-81</li> </ul> <p>(www.mmg.com)</p>
ASPECT SPECIFIC DISCLOSURES– SOCIAL STANDARDS			
Indicator	Disclosure	Report section	Page
103-1	Explanation of the material topic and its Boundary.	<ul style="list-style-type: none"> <li>› About this report</li> <li>› Material issues / year in review</li> <li>› Throughout our Sustainability Report</li> </ul>	<ul style="list-style-type: none"> <li>Inside cover</li> <li>6-7</li> </ul>
103-2	Management approach and components.	<ul style="list-style-type: none"> <li>› About our report</li> <li>› Material issues / year in review</li> <li>› Throughout our Sustainability Report</li> </ul>	<ul style="list-style-type: none"> <li>Inside cover</li> <li>6-7</li> </ul>
103-3	Evaluation of the management approach.	<ul style="list-style-type: none"> <li>› About our report</li> <li>› Material issues / year in review</li> <li>› Throughout our Sustainability Report</li> </ul>	<ul style="list-style-type: none"> <li>Inside cover</li> <li>6-7</li> </ul>

## GRI CONTENT INDEX

ASPECT SPECIFIC DISCLOSURES– SOCIAL STANDARDS (CONTINUED)			
Indicator	Disclosure	Report section	Page
403-2	Types of injury and rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities.	> The way we work – safety	20
		> The way we work – safety performance	20
		> The way we work – safety model	22
<i>We do not report our injuries by gender and do not currently use data on absenteeism to interpret safety performance. We report our lost time injury frequency (LTIF) but do not report the number of lost days.</i>			
412-1	Operations that have been subject to human rights reviews or impact assessments.	> We minimise our impact – Human rights	43
<i>One of our two sites (50%) with material human rights risks, Kinsevere, as well as its near-mine exploration tenements, has undertaken human rights risk assessment. Human rights in a social context were included as part of the 2017 Las Bambas social risk assessment. In 2018 the business undertook a business-wide risk assessment, including Human Rights, at all sites and across all functions.</i>			
413-1	Operations with local community engagement, impact assessments and development programs.	> The way we work – stakeholder engagement	28
		> The way we work – community engagement	30
		> The way we work – land access	31
		> We contribute to development	32-39
<i>100% of our operations have local community engagement, impact assessments and development programs. We make impact assessments publicly available when required for a public approvals process. However, we do not make all social or environmental impact assessments publicly available in their entirety or for perpetuity. We share relevant summary content where appropriate to maintain transparency and clarity in our engagement processes.</i>			
MM6 / 7	Number and description of significant disputes relating to land use, customary rights of local communities and Indigenous peoples and the extent to which grievance mechanisms were used to resolve disputes relating to land use, customary rights of local communities and Indigenous peoples and the outcomes.	> Chief Executive Officer's message	4-5
		> The way we work – human rights	43
		> The way we work – land access	31
		> We minimise our impact – grievance management	44-45
MM8	Number (and percentage) of company operating sites where artisanal and small-scale mining (ASM) takes place on, or adjacent to, the site; the associated risks and the actions taken to manage and mitigate these risks.	> We minimise our impact – artisanal mining	46
<i>Our operations in the DRC and Peru are subject to artisanal and small-scale mining risks. We have four operations, therefore 50% of our operations are subject to this risk.</i>			
MM10	Number and percentage of operations with closure plans.	> We minimise our impact – mine closure	54
		> We minimise our impact – land management, rehabilitation and biodiversity	55
		> 2018 Annual Report – 26. Provisions a) mine rehabilitation, restoration and dismantling	AR 141 (www.mmg.com)

# OUR PEOPLE DATA SUMMARY

## NO. MMG EMPLOYEES BY EMPLOYMENT TYPE, BY GENDER

YEAR/SITE	FULL-TIME		PART-TIME		TOTAL
	Female	Male	Female	Male	
<b>2018</b>					
Dugald River	16	117			<b>133</b>
Kinsevere	80	628			<b>708</b>
Las Bambas	124	1,468			<b>1,592</b>
Rosebery	20	263			<b>283</b>
Corporate	167	215	16.1	1.6	<b>399.7</b>
<b>MMG</b>	<b>407</b>		<b>16.1</b>		<b>3,115.7</b>