



*Scoping Study for a Solar PV Power Facility for Gold Field's South Deep Mine*

Final Report

Reference No: GP 30/5/1/2/2(220) MR

Gold Fields South Deep Mine

6 July 2017

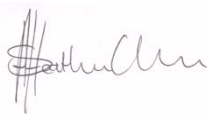
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# Scoping Study for a Solar PV Power Facility for Gold Fields South Deep Mine

Environmental Resources Management

## Final Report

*Document Code: 0390166*

Client:  Gold Fields South Deep Mine		Project No:  0390166
Summary and version history: V2  The scoping phase for the proposed PV solar power plant for Gold Field’s South Deep Mine will determine the “scope” of the subsequent Environmental Impact Assessment (EIA), conducted in support of the application for Environmental Authorisation. To this end, the Scoping Report includes a Plan of Study for EIA that provides scopes of work for more detail specialist investigations to address key issues of concern, together with the impact assessment methodology and timeframes for the EIA.		Date: 6 July 2017  Approved by:  
1	Final Scoping Report	
	Compiled by: Alan Cochran, Brendon Solik, Claire Alborough and Lindsey Bungartz Reviewed by: Stuart Heather-Clark	
<p>This report has been prepared for Gold Fields South Deep Mine in accordance with the terms and conditions of ERM’s contract with Enel Green Power RSA (Pty) Ltd for submission to commenting authorities and the Competent Authority in support of Gold Fields South Deep Mine’s application for an Environmental Authorisation and for disclosure through the prescribed review process.</p> <p>Any other use, distribution or publication of this report is prohibited without the prior written approval of ERM and Gold Fields South Deep Mine,</p>		<p><b>Distribution:</b> Public</p>

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## List of Abbreviations and Acronyms

<b>DEA</b>	Department of Environmental Affairs
<b>DMR</b>	Department of Mineral Resources
<b>DOE</b>	Department of Energy
<b>EIA</b>	Environmental Impact Assessment
<b>EIR</b>	Environmental Impact Report
<b>EPC</b>	Engineering Procurement Construction
<b>ERA</b>	Electricity Regulations Act
<b>ERM</b>	Environmental Resources Management
<b>GJ</b>	Giga Joules
<b>GNR</b>	Government Notice Regulation
<b>HV</b>	High Voltage
<b>LoM</b>	Life of Mine
<b>MW</b>	Mega Watt
<b>NEMA</b>	National Environmental Management Act
<b>NEMBA</b>	National Environmental Management: Biodiversity Act
<b>NEMWA</b>	National Environmental Management: Waste Act
<b>NEMAQA</b>	National Environmental Management: Air Quality Act
<b>NEMICMA</b>	National Environmental Management: Integrated Coastal Management Act
<b>NID</b>	Notice of Intent to Develop
<b>SDFP</b>	Spatial Development Framework Plan
<b>S&amp;EIR</b>	Scoping and Environmental Impact Report
<b>WML</b>	Waste Management Licence