



MANDELA MINING PRECINCT
MINDS FOR MINES

Corner Carlow & Rustenburg Road
PO Box 91230, Auckland Park, 2006



+27 11 358 0003

enquiries@MandelaMiningPrecinct.org.za

TECHNICAL SUMMARY REPORT

Programme	LoCM	Work Package Name			WP4 – Evaluating shift cycle optimization scenarios for Blue Prints	
Milestone #	LoCM20WP4MS8	Milestone Name (Final report)		Final report		
Research Provider	CSIR	Research Lead				Bertie Meyer
Start Date	12/2020	End Date	17/03/2021	Funding Source	DST	
Aim of Work package						
The aim is to conduct a study of the latest various technologies applied within the conventional mining for Gold and PGM mines within the Stopping production cycle, excluding the activity drilling, but including the activities support, cleaning, charging, and tramming to measure the cycle time of each activity, capturing the costs associated to each activity, to establish a baseline cost model from the data obtained to effectively apply to the BluePrint Cost Model(BPCM) for evaluation purposes.						
Methodology			Research Findings			
Final report submitted for TSC review and approval			Not applicable			
Conclusions			Next Steps/ Recommendations			
TSC Champion approved the final report			Project completed			
Category (RDI)	Research					

Attachments

Milestone report:

[MMP REP 2020 LoCM20WP4MS8 \[2020-12-29\]A.docx](#)

Figures:

[Figure 1- Existing shift pattern at New Vaal Colliery.png](#)

[Figure 2- New Shift Pattern at New Vaal Colliery.png](#)

[Figure 3- New shift time with activities splits.PNG](#)