



*WORLD CLASS MINERALS AND ENERGY SECTORS THROUGH SUSTAINABLE DEVELOPMENT*

## DEPARTMENT OF MINERALS AND ENERGY



**the dme**

Department:  
Minerals and Energy  
**REPUBLIC OF SOUTH AFRICA**



# DRAFT MINERAL BENEFICIATION STRATEGY FOR SOUTH AFRICA: AN OVERVIEW

13 October 2009

# A BROAD VISION

Facilitate economic diversification

Expedite progress towards a knowledge based economy

Attain incremental GDP growth in mineral value addition

Create opportunities for enterprise development



# STRATEGY PATH

An initial research study

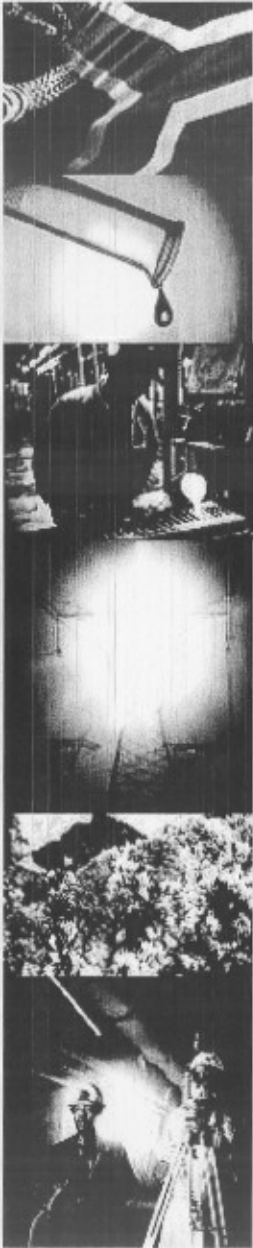
A draft beneficiation strategy

Inter-departmental consultations

Dedicated task team

Final draft





# BASIS FOR MINERAL BENEFICIATION

## **MPRDA section 26**

The Minister may initiate or prescribe incentives to promote beneficiation of minerals in the Republic



# STRATEGIC APPROACH TO BENEFICIATION IN SA

Ten specific minerals studied:

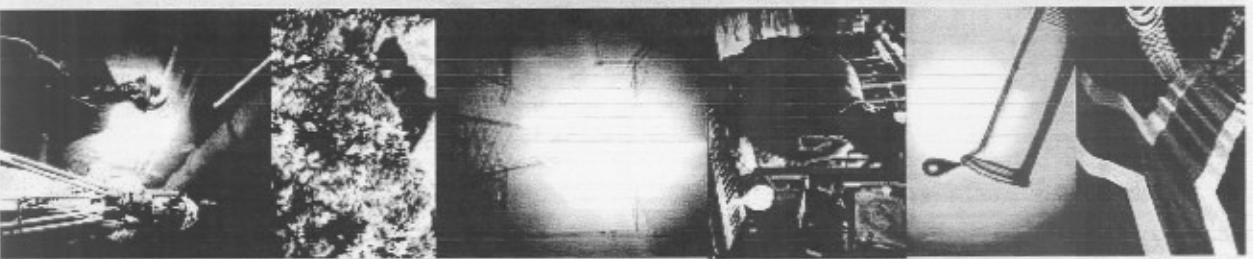
- Gold
- PGM's
- Diamonds
- Iron Ore
- Vanadium
- Heavy minerals
- Nickel
- Chromium
- Manganese
- Coal



# SELECTED VALUE CHAINS

Minerals	Opportunities for beneficiation
Platinum	Auto-catalyst and Diesel particulate filters
Titanium	Pigment production

# SELECTED VALUE CHAINS



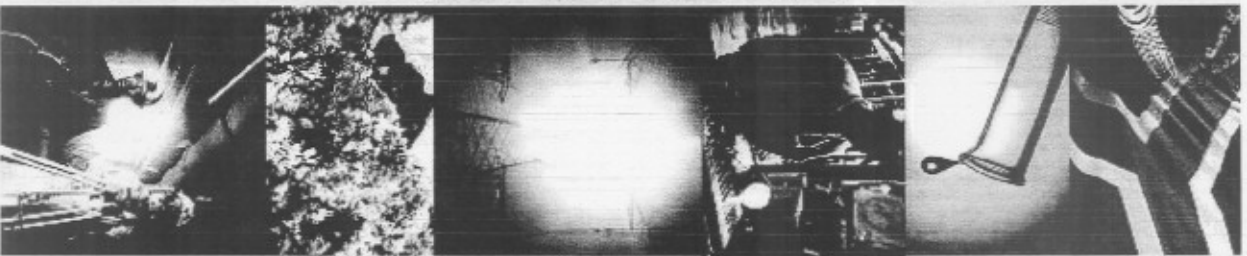
Minerals	Opportunities for beneficiation
Gold Diamonds Platinum Group Metals	Jewellery and diamond processing





# SELECTED VALUE CHAINS

Minerals	Opportunities for beneficiation
Iron Ore Chromium Manganese Vanadium Nickel	Steel and Stainless Steel



# SELECTED VALUE CHAINS

Minerals	Opportunities for beneficiation
Coal	
Uranium	Energy



# Conclusion

- Beneficiation will mitigate impact of commodity price fluctuations
- Inter-departmental coordinated approach to implementation is required