

**BACKGROUND INFORMATION DOCUMENT**  
**PROSPECTING RIGHT APPLICATION AND ENVIRONMENTAL**  
**AUTHORISATION**

**FOR**

**BULKENG (PTY) LTD**

**DMRE REF. NC30/5/1/1/2/13410 PR**

**MAY 2023**

**PRJ\_R\_1/Rev0**



Directors: ST Netshiozwi | C Monokofala | MS Masoga | DKM  
Lenkoe-Magagula | RC Rasikhinya (Non-Executive)

Email: [info@kimopax.com](mailto:info@kimopax.com) | Website: [www.kimopax.com](http://www.kimopax.com)



**BACKGROUND INFORMATION DOCUMENT**  
**PROSPECTING RIGHT APPLICATION AND ENVIRONMENTAL**  
**AUTHORISATION**  
**FOR**  
**BULKENG (PTY) LTD**  
**DMR REF. LP30/5/1/1/2/13410 PR**  
**MAY 2023**

**Conducted on behalf of:**

**BULKENG**

Compiled by:



---

Charlotte Maswuba

**Reviewed by:**



---

Lufuno Nengwani (SACNASP, EAPASA, GISSA, GSSA)

**Project team:**

Lufuno Nengwani (SACNASP, EAPASA, GISSA, GSSA)

Simon Netshiozwi (SACNASP, EAPASA, GSSA)

Charlotte Maswuba

## Document History and Distribution List

**Table 1: Kimopax (Pty) Ltd Contact Information**

|  |   |
|--|---|
| <b>COMPANY NAME:</b>   | <b>Kimopax (Pty) Ltd</b>  |
| <b>CONTACT DETAILS OF RESPONSIBLE PERSON WHO WILL ACT ON BEHALF OF THE COMPANY</b> |   |
| <b>Name and Surname:</b>   | <b>Charlotte Maswuba</b>  |
| <b>Telephone number:</b>   | <b>+27 11 312 9765</b>  |
| <b>Fax number:</b>   | <b>+27 86 627 7522</b>  |
| <b>Cellular number:</b>  | <b>+27 72 517 9959</b>  |
| <b>e-Mail Address:</b>   | <b><a href="mailto:Charlotte@kimopax.com">Charlotte@kimopax.com</a></b> |

|  |   |
|--|---|
| <b>COMPANY NAME:</b>   | <b>Kimopax (Pty) Ltd</b>  |
| <b>CONTACT DETAILS OF RESPONSIBLE PERSON WHO WILL ACT ON BEHALF OF THE COMPANY</b> |   |
| <b>Name and Surname:</b>   | <b>Lufuno Nengwani</b>  |
| <b>Telephone number:</b>   | <b>+27 11 312 9765</b>  |
| <b>Fax number:</b>   | <b>+27 86 627 7522</b>  |
| <b>Cellular number:</b>  | <b>+27 82 832 9378</b>  |
| <b>e-Mail Address:</b>   | <b><a href="mailto:Lufuno@kimopax.com">Lufuno@kimopax.com</a></b> |

## STRICTLY CONFIDENTIAL

This document contains confidential and proprietary information of Kimopax (Pty) Ltd and is protected by copyright in favor of Kimopax (Pty) Ltd and may not be reproduced, or used without the written consent of Kimopax (Pty) Ltd, which has been obtained beforehand. This document is prepared exclusively for **BULKENG (PTY) LTD** and is subject to all confidentiality, copyright and trade secrets, rules, intellectual property law and practices of South Africa.

## List of Abbreviations

|       |   |
|-------|---|
| BA    | : Basic Assessment                                |
| BAR   | : Basic Assessment Report                         |
| BID   | : Background Information Document                 |
| DMRE  | : Department of Mineral Resources and Energy      |
| EA    | : Environmental Authorisation                     |
| EAP   | : Environmental Assessment Practitioner           |
| EIA   | : Environmental Impact Assessment                 |
| EMPr  | : Environmental Management Programme/Plan         |
| Ha    | : Hectares  |
| I&APs | : Interested and Affected Parties                 |
| MPRDA | : Mineral and Petroleum Resources Development Act |
| NEMA  | : National Environmental Management Act           |
| PPP   | : Public Participation Process                    |
| PR    | : Prospecting Right                               |
| PWP   | : Prospecting Work Programme                      |

## **PURPOSE OF THE BACKGROUND INFORMATION DOCUMENT**

The purpose of this document is to:

- a) This Background Information Document (BID) provides you, as an Interested and Affected Party (I&AP), with an overview of the proposed project;
- b) Provide background information to interested and affected parties (I&APs) on the proposed prospecting activities;
- c) Describe the Prospecting Right Application and the process being undertaken to obtain environmental authorisation according to relevant South African legislation;
- d) Consult stakeholders and provide them the opportunity to register as I&Aps;
- e) The BID invites you, as an I&AP to participate in the required Public Participation Process (PPP);
- f) Announce the availability of a draft BAR/ EMPr report available for public review and comment; and
- g) The BID also provides you, as an I&AP an opportunity to provide the project team with your comments, concerns and objections to the proposed project.

## TABLE OF CONTENTS

|   |    |
|---|----|
| PURPOSE OF THE BACKGROUND INFORMATION DOCUMENT .....                                | v  |
| 1 INTRODUCTION.....   | 1  |
| 2 AIM OF THE BID .....  | 1  |
| 3 DESCRIPTION OF THE STUDY AREA .....   | 2  |
| 3.1 Locality .....  | 2  |
| 4 project description .....   | 5  |
| 4.1 Non-Invasive Activities.....  | 5  |
| 4.1.1 Desktop Studies.....  | 5  |
| 4.1.2 Geophysical Survey.....   | 5  |
| 4.1.3 Geological Mapping.....   | 5  |
| 4.2 Invasive Activities .....   | 6  |
| 4.2.1 Soil Geochemical Survey.....  | 6  |
| 4.2.2 Reconnaissance Drilling.....  | 6  |
| 4.2.3 Borehole Logging, Trenching, Assaying, Interpretation and Report Writing..... | 6  |
| 4.2.4 Description of Pre-/Feasibility Studies .....                                 | 6  |
| 5 REGULATORY REQUIREMENTS .....   | 7  |
| 6 PUBLIC PARTICIPATION PROCESS AND REVIEW OF BAR/ EMPR.....                         | 7  |
| 7 TYPICAL IMPACTS ASSOCIATED WITH PROSPECTING RIGHT ACTIVITIES .....                | 8  |
| 8 EIA PROCESS IN TERMS OF NEMA ACT .....  | 9  |
| 9 INVITATION TO REGISTER AS AN INTERESTED AND AFFECTED PARTY (I&AP).....            | 11 |

**List of Figures**

Figure 1: Locality Map of the project area..... 4

Figure 2: BA Process..... 10

**List of Tables**

Table 1: Kimopax (Pty) Ltd Contact Information..... ii



## 1 INTRODUCTION

Bulkeng (Pty) Ltd (“the Applicant”) (“herewith Bulkeng”) submitted an application for a Prospecting Right and an Environmental Authorisation in order to prospect for the following commodities: **Diamond (Kimberlite and Alluvia)**.

The proposed project will aim to explore and quantify the potential mineral resources. In order to undertake prospecting activities, Bulkeng require a Prospecting Right (PR) in terms of the Mineral and Petroleum Resources Development Act, 2002 (MPRDA, Act No. 28 of 2002). Bulkeng is also required to obtain an Environmental Authorisation (EA) in terms of the National Environmental Management Act, 1998 (NEMA, Act No. 107 of 1998) which involves the submission of a Basic Assessment Report (BAR) and Environmental Management Programme (EMPr). Kimopax (Pty) Ltd have been appointed by Bulkeng as the Environmental Assessment Practitioner (EAP) to provide and complying with these requirements.

## 2 AIM OF THE BID

Public Participation forms an integral part of the Basic Assessment process. The BID offers the reader the opportunity to obtain information, comment, raise issues of concern and collaborate in the development of the process. The distribution of this document is a crucial step in advising the reader on how to become involved in the process.

This document aims to provide the reader with basic information regarding the proposed project and this includes:

- a) An introduction of the project, including location details;
- b) An indication of the proposed activities and the legal framework in which the project is executed;
- c) An overview of the environmental baseline information and environmental impacts that may potentially occur;
- d) An explanation of the Public Participation Process (PPP) to be followed; and
- e) An explanation of how to get involved as an Interested and Affected Party (I&AP).

### **3 DESCRIPTION OF THE STUDY AREA**

#### ***3.1 Locality***

The proposed project is located on portion 1,2,8, and 9 of the farm Voetpaddrift 128 , portion 1,13,266 and Remainder of the farm Voetpads Drift West 130, portion 18 of the farm Doorns 131, Remainder of the farm Voetpaddrift 214, Remainder of the farm Valley 217, and portion 34 of the farm No. 1313 I in the Sol Plaatje Local Municipality of Frances Baard District Municipality in the Northern Cape Province of South Africa.. The site covers an extent of 8 207 Hectares.

[Landscape sections added manually under layout > page setup group > breaks > section break]

Background Information Document (BID) for Prospecting Right Application

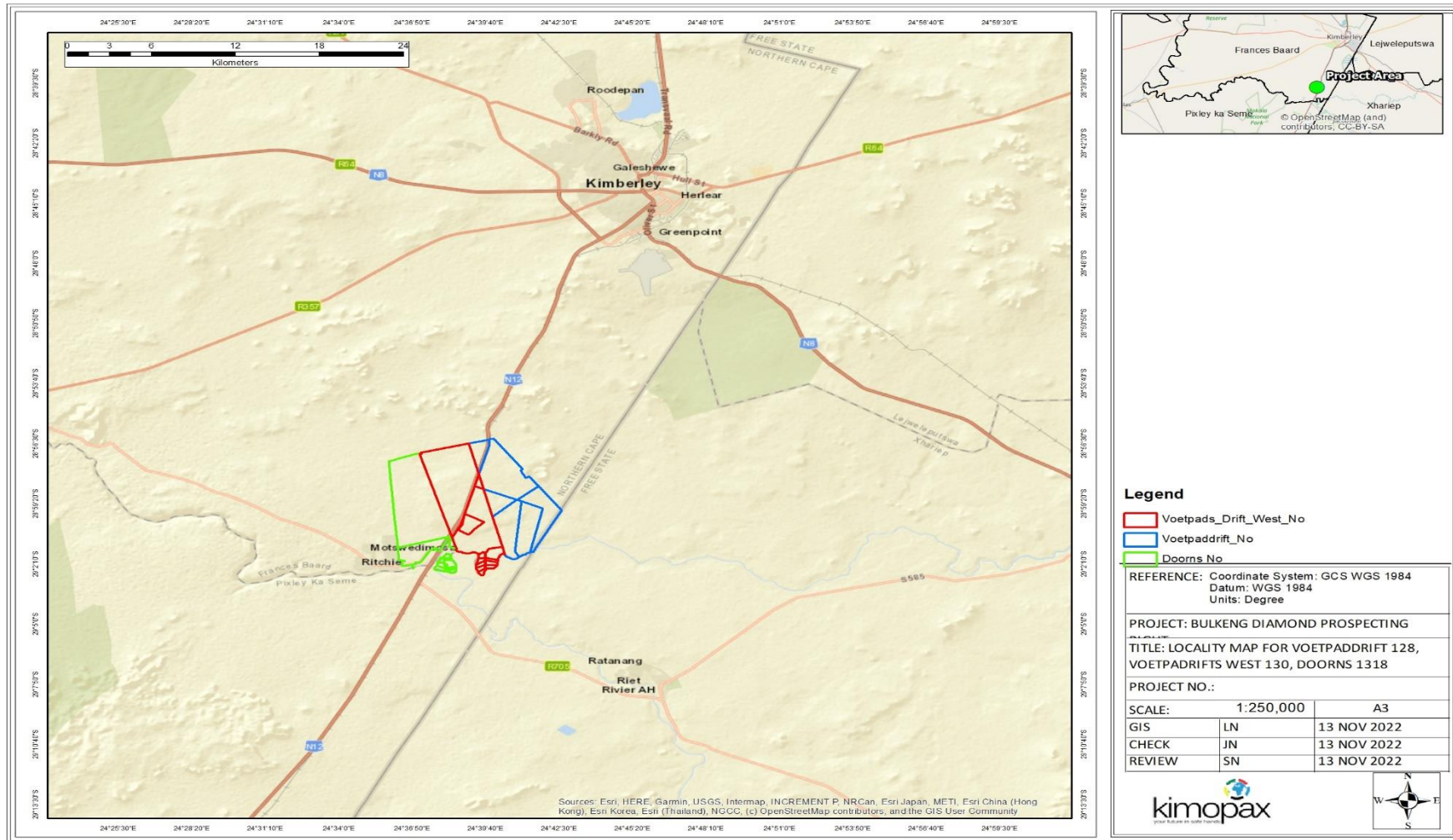


Figure 1: Locality Map of the project area

## **4 PROJECT DESCRIPTION**

Non-invasive and Invasive prospecting activities will be undertaken as part of the proposed Prospecting Work Programme (PWP). The scope of these activities is as follows:

### ***4.1 Non-Invasive Activities***

#### **4.1.1 Desktop Studies**

This involves the compilation of all geological and related information, relevant to prospecting for applied minerals, available from both public and commercial sources for the property. This information is then assessed by the geologist and other specialists (such as geophysicist) as required, in order to determine the best prospecting techniques to be used on the property. This activity is repeated at the end of each phase of prospecting, by the interpretation of new information and the integration of this with the existing information, in order to decide on whether further work is warranted and if so, the specific scope of this work.

#### **4.1.2 Geophysical Survey**

This involves the systematic measurement of magnetic, gravitational and electromagnetic fields over target areas of interest within the property, using appropriate instruments. The individual survey areas vary between 500 x 500 m to 2 x2 km depending on the inferred size of any target. Magnetic survey lines are spaced at a maximum of 50 m and readings will be taken at a minimum of 5 m intervals along the lines. Electromagnetic and gravity survey lines are spaced at a maximum of 100 m with readings taken at a maximum of 50 m along the lines. After data collection has been completed, data processing and visualization takes place to allow the interpretation of the survey.

#### **4.1.3 Geological Mapping**

With the aid of aerial and satellite imagery will be undertaken in order to confirm the presence of magnetite layers. Any outcropping mineralization will be noted, and this mapping programme will be conducted simultaneously with the soil geochemical survey.

## **4.2 Invasive Activities**

### **4.2.1 Soil Geochemical Survey**

A number of soil samples will be taken across traverse lines over the project area. These traverse lines will be chosen based on the results of the airborne geophysical survey, and will be sited across inferred positions of magnetite horizons. Approximately 200 samples will be collected and analyzed. The results of the soil geochemical survey will be integrated with airborne geophysics to select sites for reconnaissance drilling.

### **4.2.2 Reconnaissance Drilling**

10 boreholes with depths of 0 to 200m each will be drilled along a number of traverse lines. This drilling will be evaluated through borehole logging and assaying.

### **4.2.3 Borehole Logging, Trenching, Assaying, Interpretation and Report Writing**

Core will be logged geologically and geotechnically in detail, and assayed across selected horizons. Computer assisted geological and mineralization modeling and evaluation will be carried out, and report will be compiled recommending whether the programme should be terminated or continued.

### **4.2.4 Description of Pre-/Feasibility Studies**

The pre-feasibility stage involves the use of all available geological data, including mineral grade and value estimates, to determine whether the deposit is likely to be economical to mine or not. If so, the scope of full mining feasibility studies must be defined. This is thus a purely desktop phase of the work involving a multi-disciplinary team.

The feasibility stage involves the development of detailed plans and scenarios for the development of a mine, considering all aspects of such an operation. The main aim is to determine accurately how the mineral deposit can best be economically mined, and to prepare all material required for an application for a mining right. This is mainly a desktop phase of work, but it may also involve some additional detailed field work and laboratory analyses requiring a large multi-disciplinary team. Pre-feasibility studies will only be done if the results warrant any further work to be done on the prospecting rights. This work will be scoped accordingly.

## **5 REGULATORY REQUIREMENTS**

South African law requires that the Environmental Authorisation be sought for certain activities prior to commencement. As part of the application process for Environmental Authorisation it is necessary to assess the environmental and social impacts associated with the activities, so as to identify any potential negative and/or positive consequences as result thereof. Following which measures must be proposed to avoid or minimise these impacts.

In terms of the National Environmental Management Act (Act 107 of 1998) (NEMA) and its promulgated EIA Regulations of 2017 (GNR 327, 325, and 324) the prospecting activities require an Environmental Authorisation.

Activity 20 under Government Notice 327 (Listing Notice 1) is triggered by the Prospecting Right Application. Accordingly, GNR 327 activities are subject to a Basic Assessment Process.

Bulkeng is required to undertake an EIA process and submit a Basic Assessment report and Environmental Management Programme report (BAR/EMPr), which describe the potential environmental impacts of the proposed prospecting activities, how such impacts will be managed and how the disturbed areas will be managed.

It is therefore essential that I&APs, through the public participation process, become actively involved in the project's environmental assessment process in order to share information and give input that will be useful in assisting the relevant authorities in decision-making as far as this project is concerned.

The public participation process is a legislated process conducted in accordance with Chapter 6 of NEMA and its EIA Regulations and is required in support of Prospecting Right Application in terms of Section 16 of the MPRDA.

## **6 PUBLIC PARTICIPATION PROCESS AND REVIEW OF BAR/EMPR**

In terms of Chapter 6, Regulations 40 – 44 of the EIA Regulations, 2014 (as amended), Kimopax is required to consult with interested and Affected Parties (I&APs). Comments received from the I&APs will be recorded and included in the Public Participation Report, which will be submitted to the Department of Mineral Resources and Energy (DMRE) in the Northern Cape Province.

The public participation process aims to enable landowners, lawful occupiers, directly affected individuals and or Interested and Affected Parties (I&APs) to raise any issues, comments and or concerns regarding the proposed prospecting activities.

The project will be announced in the locally distributed newspaper and notices will be placed in the project area to inform people. Notifications will request I&APs to contribute to the identification of potential environmental impacts. Stakeholders will be notified in writing of the project via email, fax, or postal. A draft BAR/ EMPr will be prepared which lists the potential environmental impacts and how they will be managed. I&APs will be provided with the opportunity to review and comment on the draft BAR/EMPr.

## **7 TYPICAL IMPACTS ASSOCIATED WITH PROSPECTING RIGHT ACTIVITIES**

The preliminary environmental issues that have been identified for the prospecting right application are as follows:

- a) Clearance of vegetation;
- b) Introduction by alien species;
- c) Impact of drilling on fauna and flora;
- d) Impact on air quality due to dust generation;
- e) Potential archaeological and paleontological impact;
- f) Safety and security risks to landowners and lawful occupiers;
- g) Soil erosion and compaction;
- h) Interference with land-use;
- i) Displacement of faunal species;
- j) Loss of habitat;
- k) Increased noise levels;



- l) Surface and Groundwater contamination due to hydrocarbon spillages from drilling activities; and
- m) Generation and disposal of waste.

## **8 EIA PROCESS IN TERMS OF NEMA ACT**

Public Participation/ consultation will be ongoing throughout the Basic Assessment Process. **Figure 2** below indicates the BA process that will be undertaken.

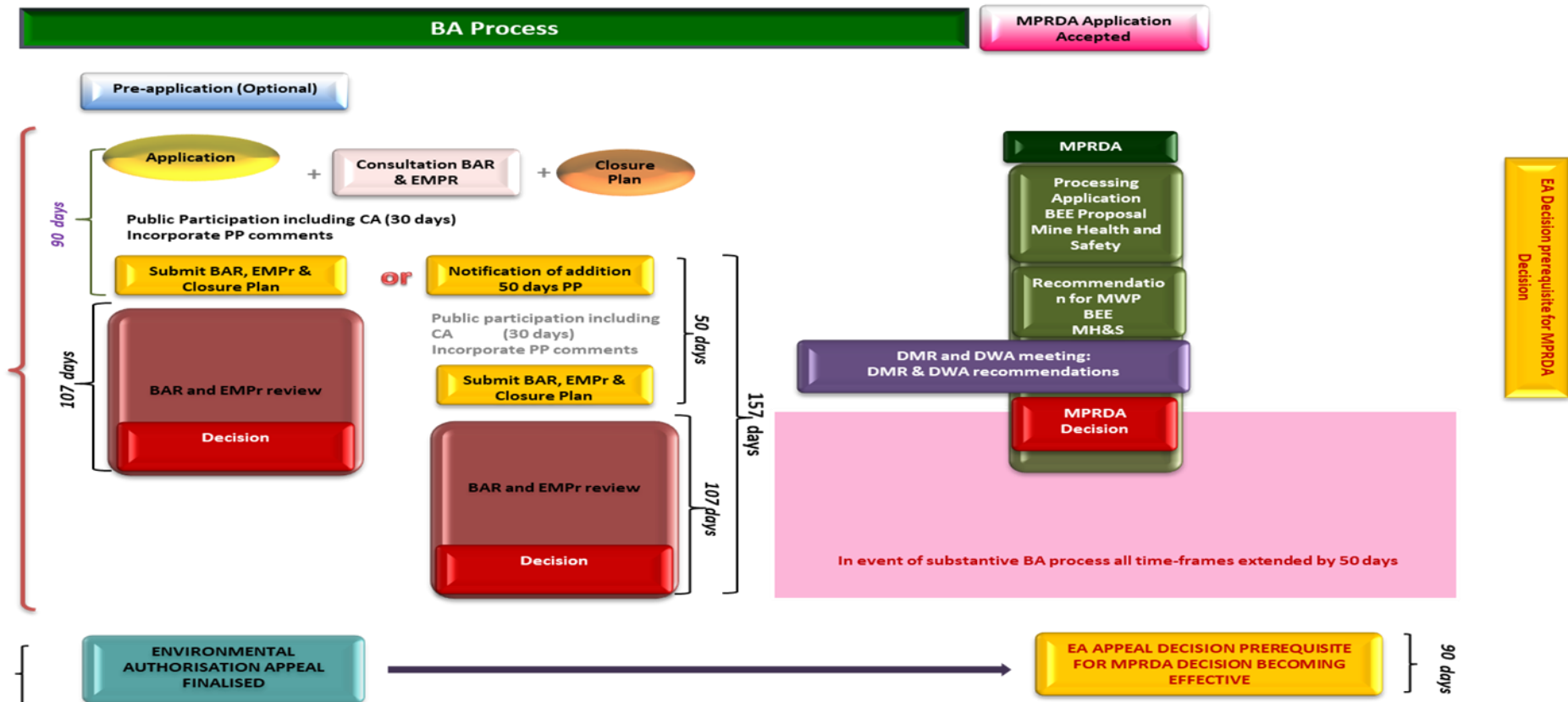


Figure 2: BA Process

## **9 INVITATION TO REGISTER AS AN INTERESTED AND AFFECTED PARTY (I&AP)**

You are hereby invited to register as an I&AP and to participate in the EIA Process by the following means:

- a) Reviewing the enclosed Background Information Document;
- b) Registering as an I&AP; and
- c) Submit issues, concerns, and any comments regarding the proposed project via email, facsimile, registered post, or telephone.

Registering as an I&APs will ensure that you are placed on a data base to be informed of any progress regarding the project.

Should you wish to register as an I&AP and kept informed on this project kindly complete the attached Registration Form and return to Kimopax (Pty) Ltd using the contact details below:

**Contact Person: Lufuno Nengwani**

**Tel: +27 11 312 9765**

**Cell: +27 82 832 9378**

**Email: [Lufuno@kimopax.com](mailto:Lufuno@kimopax.com)**

**Postal Address: PO Box 4077, Halfway House, 1685**

**Head Office: 546 16<sup>th</sup> Road, Constantia Park, Midrand, 1685**

**Tel: +27 11 312 9765 Fax: +27 11 312 9768/ +27 86 219 8717**

**East London: 62 Bonza Bay Road, Beacon Bay, East London, 5247**

**Tel: +27 43 721 0178 Fax: +27 86 558 7022**

**Gqeberha: 1<sup>st</sup> Floor, Harbour View Building, Oakworth Road,  
Humewood, Gqeberha, 6001**

**Tel: +27 41 101 1112 Fax: +27 86 558 7022**

**Limpopo: 89 Hans van Rensburg Street, Polokwane, 0699**

**Tel: +27 87 284 6703 Fax: +27 86 219 8717**

**Northern Cape: Thompsons View 29 A, Tsenin Road,**

**Kuruman, 8460**

**Tel: +27 65 927 1639 Fax: +27 86 219 8717**

[www.kimopax.com](http://www.kimopax.com)