

BACKGROUND INFORMATION DOCUMENT (BID) FOR THE PROPOSED COAL PROSPECTING ACTIVITIES IN VEELSGELUK 171 HU, WATERVAL 310 HU, GOUDHOEK 148 HU, YORKSHIRE 329 HU, NOOIGEDACKT 17061 HU, ALLENDALE 404 HU, FARM BELVUE 600 HU, FARM KALBASFONTEIN 509 HU, MULTIPLE ERVEN OF THE TOWNSHIP: CORONATION HU, MULTIPLE ERVEN OF THE TOWNSHIP: NKONGOLWANE HU. WITHIN THE JURISDICTION OF ZULULAND DISTRICT MUNICIPALITY IN KWA-ZULU NATAL PROVINCE.

COMPETENT AUTHORITY:  
KZN Region

*Department of Mineral Resources*

APPLICATION REFERENCE:

KZN 30/5/1/1/2/ 11022 PR

COMPILED BY:

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## **1 PROJECT BACKGROUND**

*Indondo Mining Pty Ltd proposes to undertake prospecting activities for coal in Veelsgeluk 171 HU, Waterval 310 HU, Goudhoek 148 HU, Yorkshire 329 HU, Nooigedackt 17061 HU, Allendale 404 HU, Farm Belvue 600 HU, Farm Kalbasfontein 509 HU, Multiple Erven Of The Township: Coronation HU, Multiple Erven Of The Township : Nkongolwane HU. within the Jurisdiction of Zululand District Municipality in Kwa-Zulu Natal Province.*

*The proposed prospecting activities triggered listed activities in terms of the Environmental Impact Assessment (EIA) Regulations of 2017 gazetted in terms of the National Environmental Management Act (NEMA), No 107 of 1998. The EIA process must therefore be undertaken by an independent Environmental Assessment Practitioner (EAP). Indondo Mining Pty Ltd has appointed Mielelani Consultancy, an independent consulting company, to conduct the Environmental Impact Assessment (EIA) process in terms of the EIA Regulations of 2017, to evaluate the potential impacts of the proposed project.*

## **2 PROJECT LOCATION**

*The proposed prospecting activities will be undertaken in the Veelsgeluk 171 HU, Waterval 310 HU, Goudhoek 148 HU, Yorkshire 329 HU, Nooigedackt 17061 HU, Allendale 404 HU, Farm Belvue 600 HU, Farm Kalbasfontein 509 HU, Multiple Erven Of The Township: Coronation HU, Multiple Erven Of The Township: Nkongolwane HU. within the Jurisdiction of Abagulusi Local Municipality of the Zululand District in Kwa-Zulu Natal Province. The proposed site is located approximately 4km north east of the town of Hlobane.*

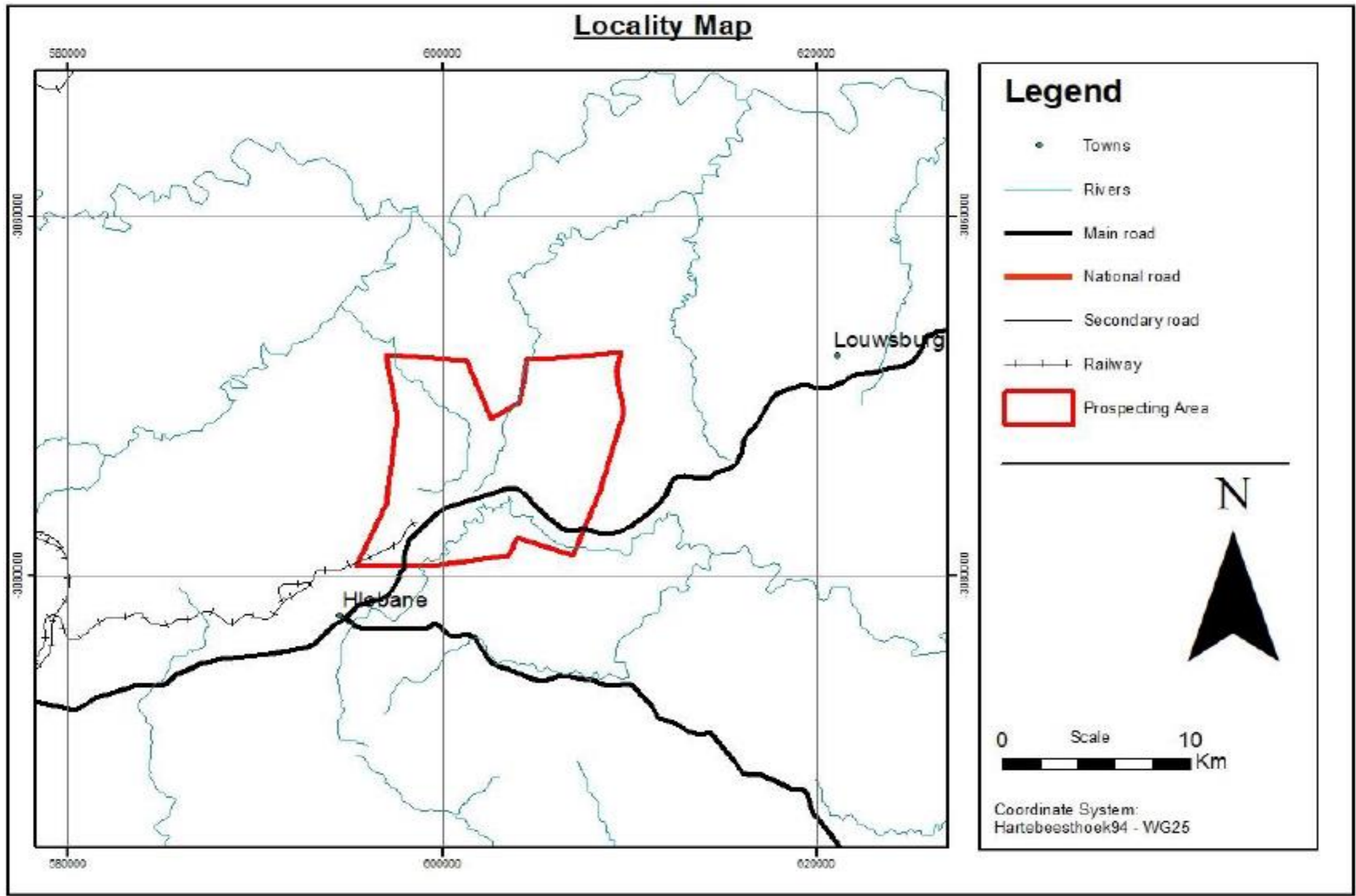


Figure 2-1: Locality Map

### 3 DESCRIPTION OF THE PROPOSED ACTIVITIES

Prospecting is the search of clues that indicates that there are ore deposits beneath the surface. It is generally the search of coal seams to determine if they are mineable at a profit. The confidence of coal deposit is gained through the use of maps and historical data, geophysics, ground truthing, geochemistry which are considered non-invasive activities.

When the local geology is understood, siting for drilling can then be undertaken. Drilling is done with fairly large machinery that use diamond-tipped, hollow drill 'bits' which produce varying amounts of 'core' depending on the extensiveness of the drill program. Diamond-tipped bits are used because they can go through the hardest of rock, and the core produced is cylindrical and not typically more than a couple inches in diameter. The details of each drill hole (including direction and depth) are recorded in much detail, each meter of core is marked with the depth that it came from and which hole, if there's been multiple drilled.

Once core has been obtained, samples are then sent to a laboratory facility to be 'assayed', which is essentially assessing the ore body physical and chemical properties in the rock. Using this data from the assaying, along with the records of where the assayed drill core came from, the data is re-interpreted to determine subsequent phases of follow-up drilling. If drilling continues, different drilling techniques are used to build confidence in the deposit by determining the size and grade of the 'strike' and 'dip'.

The objective will be to produce a 3D resource model of where and how the coal seams is located underground. All this information is used to complete an 'official resource estimate', which is a non-biased report that is required to have been developed by a 'Qualified Person' (QP). The 'Official Resource

*Estimate'* will outline the categories of coal resource (inferred, indicated, and measured) as well as the quantity and grade of each resource category.

Prospecting activities will be undertaken in different phases of which each is dependent on the preceding phase. Each phase will provide information that will determine whether the prospecting activities should be continued or abolished. The prospecting phases are as follows:

Phase 1: Literature Review and Field Mapping; Phase 2: Geophysical Survey; Phase 3: Discovery Drilling and Sampling; Phase 4: Sample analysis/ Assaying; Phase 5: Preliminary economic assessment; Phase 6: Resource drilling and sampling; Phase 7: Pre-feasibility study.

*Other activities associated with the proposed prospecting:*

- *Site Access*
- *Access roads*
- *Drill station establishment*
- *Core Drilling*
- *Project scheduling*

## 4 THE EIA PROCESS

The proposed ore prospecting activities have triggered activities listed in Listing Notice 1 (GNR 327) of the EIA Regulations and therefore require a Basic Assessment Process to be undertaken

### 4.1 LISTED ACTIVITIES

Applicable Listing Notice	Activity No and Description	Listed Activity relevancy to the project
GNR 327 of 2017	<p><b>Listing Notice 1: Activity 20:</b></p> <p>Any activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002).</p>	Indondo Mining Pty Ltd proposes to undertake coal prospecting activities in various properties.
GNR 327 of 2017	<p><b>Listing Notice 1: Activity 20:</b></p> <p>Any activity which requires clearing of more than 1 ha of indigenous vegetation but less than 20 ha excluding linear activities</p>	Vegetation approximately 1.5 ha will be cleared to established drill stations and associated access roads.

### 4.2 THE PROJECT'S EIA PROCESS

As discussed above the proposed prospecting activities have triggered activity in Listing Notice 1 (GNR 327) and therefore a Basic Assessment process must be undertaken.





## 5 PROBABLE IMPACTS

- ✓ *South African coal reserve mapping*
- ✓ *Loss of Vegetation;*
- ✓ *Loss of habitats;*
- ✓ *Loss of pasture;*
- ✓ *Loss of arable land;*
- ✓ *Water Contamination;*
- ✓ *Dust Generations;*
- ✓ *Introduction of alien invasive plants;*
- ✓ *Land use conflicts;*

## 6 PUBLIC PARTICIPATION PROCESS

*The public participation process is the process of identifying, inviting and engaging with potential and registered interested and affected parties (I&APs). According to Chapter 6 of the EIA Regulation of 2017 (GNR 326), the I&APs (potential and registered) must be notified about the proposed prospecting activities through fixed notices, newspaper advert, and written notices (SMS, WhatsApp, emails, etc.).*

*The registered I&APs must in terms of this regulation be provided with a minimum of 30 days to review all environmental reports which in minimum must be the Basic Assessment Report and the Environmental Management Programme.*

*An I&APs register will be maintained for submission to Kwa-Zulu Natal Department of Mineral Resources and Energy on completion of the Public Participation Process. All the received correspondence will be included in the final reports to be submitted to the KZN DMRE.*

### *What Public Participation is not?*

- *Not a public relations exercise;*
- *Not a means to satisfy personal grievances – rather to record issues related to the proposed activities and to respond to them.*

### *What is expected from the Public?*

- The Public is expected to participate and be involved in the decision making by giving relevant comments to the project.

### 6.1 HOW CAN YOU GET INVOLVED

- By responding (by phone, fax or e-mail) to our invitation and confirm your involvement in the process;
- By completing the attached comment sheet/ form and mailing or faxing before the 30 days' public participation time period is over; and
- By telephonically contacting consultants if you have a query, comment on the project during the public participation process period.

### 6.2 NOTICE OF ENVIRONMENTAL REPORT:

The Environmental Reports will be made available to all registered Interested and Affected Parties through emails and Public Library for review for a period of 30 days. The reports will also be emailed upon request.

### 6.3 HOW TO CONTACT US

In order to participate in the process and/or provide comments and or to register as an Interested and Affected Party (I&APs) pertaining to the above-proposed activity, you are invited to contact Mielelani Consultancy within the prescribed time period. We may be contacted as follows:

EAP	Phathutshedzo Mugagadeli Phathu@mielelani.co.za / 073 796 6769
Address	21 Sunriseview, 24 Iron terrace, Westpark, Pretoria, 0183
Telephone	073 796 6769
Fax	086 260 4733
Preferred Email	phathu@mielelani.co.za

*SEE THE COMMENT SHEET APPENDED TO THIS BID. YOU MAY PROVIDE COMMENTS IN YOUR OWN LETTER HEAD OR ANY FORMAT BESIDES OUR PROVIDED COMMENT SHEET.*

**COMMENT SHEET FOR PROSPECTING RIGHT APPLICATION**

**APPLICANT: Indondo Mining Pty Ltd**

**REF NUMBER: KZN 30/5/1/1/2/ 11022 PR**

<i>Contact Person: Phathutshedzo Mugagadeli</i>	
<i>Email:</i>	<i>phathu@mielelani.co.za</i>
<i>Cell No.:</i>	<i>082 404 8733</i>
<i>Tel:</i>	<i>012 012 5580</i>
<i>Fax:</i>	<i>086 260 4733</i>

Please complete and return to the contact details as provided

<i>Title</i>		<i>Name</i>	
<i>Initials</i>		<i>Surname</i>	
<i>Organization</i>			
<i>Postal Address</i>		<i>Postal Code</i>	
<i>Telephone Number</i>		<i>Cell No.</i>	
<i>Fax Number</i>		<i>Email</i>	
<i>Preferred Method of Communication</i>			
<i>Letter(Mail)</i>	<i>Email</i>	<i>Fax</i>	<i>On CD</i>
			<i>Internet</i>

*COMMENTS (please use separate sheets if you wish)*

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*Please register the following people as I&APs for this process*

<i>Name &amp; Surname:</i>	
<i>Name of Organization:</i>	
<i>Tel/ Cell</i>	
<i>Email</i>	

*Signature:.....*

*Date:.....*