

**NDIVHADZO YA KHUMBELO YA THENDELO KHA MUPO  
NA U SHANDUKISA KUSHUMISELE KWA MAVU HU TSHI  
ITELWA MADZINGINYWA A MUSINA-MAKHADO  
SPECIAL ECONOMIC ZONE (SEZ),  
LIMPOPO PROVINCE  
LINWALO LA NZULELE YA MAFHUNGO**



## 1. NZULELE

The Limpopo Economic Development Agency (LEDA) yo thola Delta Built Environment Consultants (Delta BEC) u hwala vhudifhinduleli ha u wana thendelo ya mupo na shandukisa mashumisele a mavu hutshi itelwa Musina-Makhado Special Economic Zone (SEZ). Madzinginywa a Musina-Makhado SEZ a wanala ngomu ha masipala wa Makhado na Musina nga fhasi ha Masipala wa Tshitiriki tsha Vhembe vunduni la Limpopo.

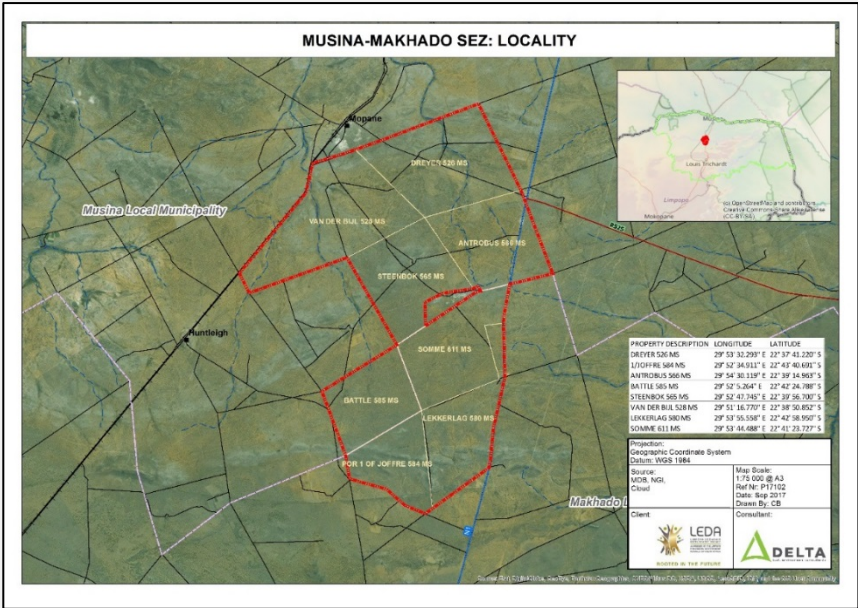
Ndavhelelo khulwane kha maitele a LEDA ndi u tavyanyisa mveledziso yo fhambanaho nga kha maitele a u dzhenelela u mveledziso zwa makwevho. SEZ ya Metallurgical Cluster Zone tshipikwa tsha u thoma I yo sedzesesa kha u vhuvedza Tshitiriki tsha Vhembe na vhupo ha vhadzulatsini nga kha dziminerala. U bikwa ha malasha na dzinwe dziminerala, zwine zwa vha khono dzheniswa kha mveledziso ya tshimbi nga u fhambana, zwine zwa vha tshipida tsha lutinga lwa nthu na lutinga lwa fhasi kha maitele a u engedzedza ndene, zwi tshi yelana na ndavhalelo ya shango kha zwa mveledzisa mamanga shango lothe na maitele a mbuyelo siani la dziminerala.

Manwe-vho mashumisele a shango o humbulelwaho ndi u tikedzana na fulufulu na khomplex ya Metallurgical kha u vhumba Themamveledziso khulu, Feme tuku, Zwishumiswa zwa Intermodal, Dzinndu, Sentra ya zwa makwevho, Tshumiso ya vhubindudzi, Zwivhumiswa zwa tshitshavha na tshumelo dza vhudavhidzani. Vhupo ha maimo aya vhu do sika zwikhala zwa mushumo ha vthathu vho gudaho, na vho gudaho zwituku na vho gudelaho zwa makete wa zwa vhashumi.

Nga mulayo wa National Environmental Act [NEMA], 1998 (Act 107 of 1998) u sedzulusa na u ita Environmental Impact Assessment maitele aya a do totiwa uri hu waniwe thendelo ya mupo hu tshi itelwa mveledziso ya (Fhethu ho khetheyaho ha ekhonomi) Special Economic Zone.

## 2. PROJECT LOCATION

Madzinginywa Musina-Makhado SEZ yo dzula kha bulasi dza malo vhukati ha masipala wapo wa Makhado na Musina, u welaho fhasi ha vhupo ha masipala wa tshitiriki tsha Vhembe, vunduni la Limpopo. Dorobo ya tsini ndi Makhado kha tshikhala tsha 31km tshipembe na Dorobo ya Musina kha tshikhala tsha 36km Devhula, ha Madzinginywa a SEZ.



### 3. PROPOSED DEVELOPMENT

Musina-Makhado SEZ I do katela u nokedza mashumisele a mavu o tangana tanganaho u nokedza themamveledziso u khwathisedzo tshumelo ya kunyelelaho ya u vhumba zwithu kha SEZ. Hu na ndavhelelo ya uri fulufulu na khomplex ya Metallurgical I dovha na fhethu vhupo ha u vhumba zwibveledzo ha tandavhudzwalo kha tafula ire afha fhasi.

	<b><u>CAPACITY</u></b>	<b><u>AREA</u></b>
<b><u>PROJECTS</u></b>	(Mtpa)	(ha)
Power Plant	3	300
Coke Plant	5	500
Ferrochromium Plant	3	500
Ferromanganese Plant	1	100
Pig Iron Plant	6	600
Carbon steel plant	2	200
Stainless steel plant	4	500
Lime plant	8	500
Silicon-manganese plant	0.5	100
Metal silicon plant	0.3	50
Calcium carbide plant	0.3	50
Infrastructure		2,600
<b><u>TOTAL</u></b>		<b><u>6,000</u></b>

The Special Economic Zone Tshumiso khulwane ya mavu I tshi katela na dzinwe tshumelo dzi do thadulana na u tikedzana kha fulufulu na khomplex ya Metallurgical nga ndila I tevhelaho:

**Table 1: Special Economic Zone Main Land Uses**

<b>Land Use Category</b>	<b>Land Uses</b>
<b>Infrastructure</b>	Roads
	Solid waste
	Water treatment works
	Substations
	Bulk water supply, water reservoirs and distribution
<b>Noxious Industry</b>	Steel plant
	Coking plant
	Ferromanganese plant
	Pig iron metallurgy plant
	Lime plant
	Ferrosilicon plant

Land Use Category	Land Uses
	Ferrochrome plant
	Stainless steel plant
	Power generation plant
Light Industrial	Service industries
	Steel products industries, workshops or yards
	Building materials factory
	Light industrial plants
	Packaging materials factory
	Warehouses

**Table 2: Special Economic Zone Ancillary Land Uses**

Land Use Category	Land Uses
Infrastructure	Roads
	Solid waste
	Water treatment works
	Substations
	Bulk water supply, water reservoirs and distribution
Intermodal Facilities	Including transport uses
	Transport terminus
	Diesel fuel station
	Mechanical repair plant
	Automobile logistics centre
Retail	Shopping centre
	Farmers market
	Supermarket/neighbourhood centre
	Commercial banks
Business Uses	Administration buildings/offices
	Hotels (3-star and 5-star hotels)
Staff Facilities	Hospital
	Government uses
	Library
	Crèche

Land Use Category	Land Uses
	Religious facilities
	Community facilities
	Recreational areas (e.g. football, basketball, volleyball, tennis, swimming pool, gym)
Information and Telecommunication services	Telecommunication masts

#### 4. TODEA DZA U LANGA

Dzinginwa Musina-Makhado Special Economic Zone I do tutula tshumelo nnzhi dzo bulwaho afha fhasi hu tshi tevhelwa mulayo wa National Environmental Management Act [NEMA], 1998 (Act No. 107 of 1998): Environmental Impact Assessment Regulations, 2014 sa

Listed activities are listed in the following Government Notices: GN R. 983, GN R.984 and GN R.985. These listed activities will require that a Scoping and Environmental Impact Assessment process be undertaken to obtain environmental authorisation.

#### LISTING NOTICE 1

<u>ACTIVITY NO</u>	<u>LISTED ACTIVITY</u>
9	The development of infrastructure exceeding 1000 metres in length for the bulk transportation of water or stormwater – i. With an internal diameter of 0.36 metres or more With peak throughput of 120 litres per second or more.
10	The development and related operation of infrastructure exceeding 1000 metres in length for the bulk transportation of sewage, effluent, process water, wastewater, return water, industrial discharge or slimes – i. With an internal diameter of 0.36 metres or more With a peak throughput of 120 litres per second or more.
11	The development of facilities or infrastructure for the transmission and distribution of electricity – i. Outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts.
13	The development of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, with a combined capacity of 50 000 cubic metres or more.
14	The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a contained capacity of 80 cubic metres or more but not exceeding 500 cubic metres.

24	The development of a road – With a reserve wider than 13.5 meters, or where no reserve exists where the road is wider than 8 metres.
25	The development and related operation of facilities or infrastructure for the treatment of effluent, wastewater or sewage with a daily throughput capacity of more than 2000 cubic metres but less than 15 000 cubic metres.
28	Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development:  Will occur outside an urban area, where the total land to be developed is bigger than a hectare.

### **LISTING NOTICE 2**

<b>ACTIVITY NO</b>	<b>LISTED ACTIVITY</b>
6	The development of facilities or infrastructure for any process or activity that requires a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent.
9	The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex.
11	The development of facilities or infrastructure for the transfer of 50 000 cubic metres or more water per day, from and to or between any combination of the following – <ul style="list-style-type: none"> <li>i. Water catchments</li> <li>ii. Water treatment works</li> </ul> Impoundments.
15	The clearance of an area of 20 hectares or more of indigenous vegetation.
25	The development and related operation of facilities or infrastructure for the treatment of effluent, wastewater or sewage with a daily throughput capacity of 15 000 cubic metres or more.
27	The development of a road – With a reserve, wider than 30 metres.

### **LISTING NOTICE 3**

<b>ACTIVITY NO</b>	<b>LISTED ACTIVITY</b>
2	The development of reservoirs, excluding dams, with a capacity of more than 250 cubic metres.  Limpopo

	<ul style="list-style-type: none"> <li>ii. Outside urban areas</li> <li>b. Sensitive areas as identified in an environmental management framework as contemplated in Chapter 5 of the Act and as adopted by the competent authority.</li> </ul> <p>Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>
4	<p>The development of a road wider than 4 metres with a reserve less than 13.5 metres.</p> <p>Limpopo</p> <ul style="list-style-type: none"> <li>i. Outside urban areas</li> <li>c. Sensitive areas as identified in an environmental management framework as contemplated in Chapter 5 of the Act and as adopted by the competent authority.</li> </ul> <p>Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority.</p>
10	<p>The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good.</p>
12	<p>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</p> <p>Limpopo</p> <ul style="list-style-type: none"> <li>ii. Within critical biodiversity areas identified in bioregional plans.</li> </ul> <p>On land, where, at the time of coming into effect of this notice or thereafter such land was zoned open space, conservation or had an equivalent zoning.</p>

As part of the environmental impact assessment process, Interested and Affected Parties (I&APs) will be offered the opportunity to register their interest to the project in order to partake in the public participation process in terms of Section 41 of the Environmental Impact Assessment Regulations 2014 (GN R.982) as amended in April 2017.



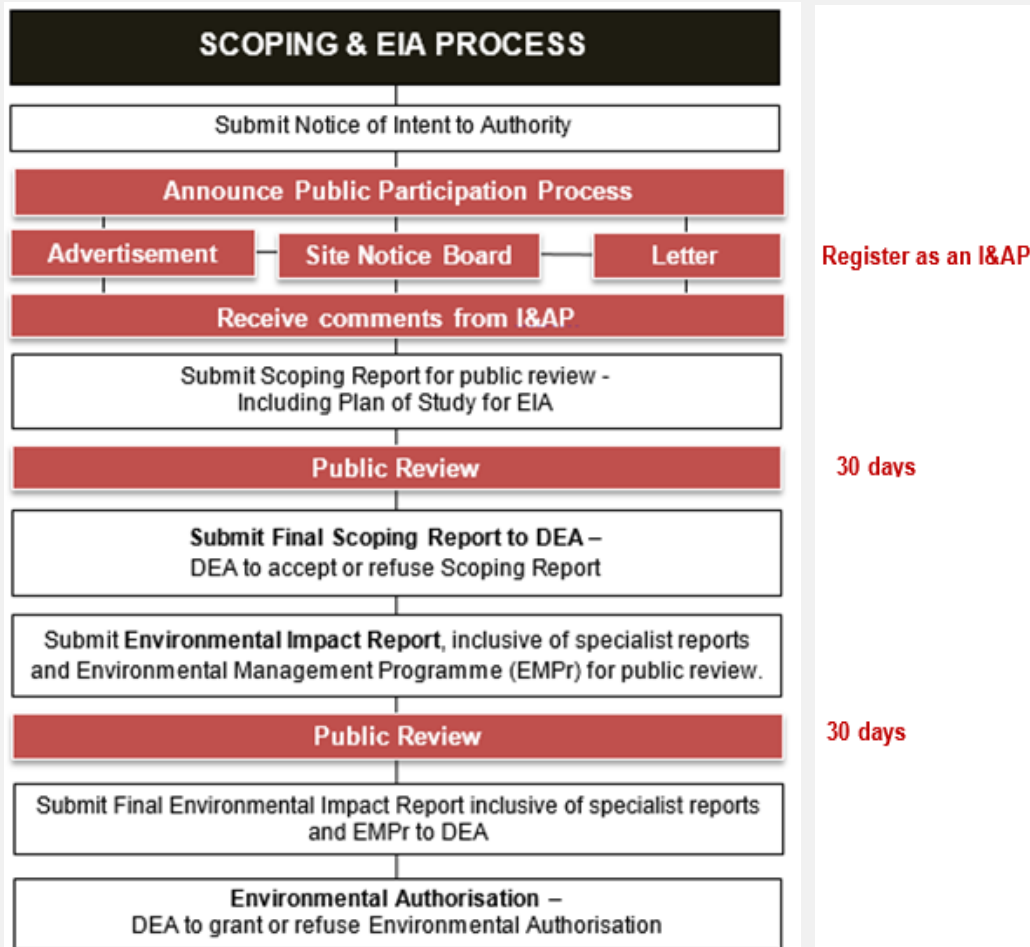


Figure 1: EIA process and I&AP commenting opportunities

## 5. PUBLIC PARTICIPATION PROCESS

U kovhekana ha mafhungo zwovhumbwa nga u ditika nga maitele a u dzhenelela nga mulayo sa tshitenwa tsha 41 uya ngaha Environmental Impact Assessment Regulations, 2014 (GN R.982) sa yo khwathisedzaho hu tshi khou itelwa vha re na Dzangalelo na mahoro au Kwamea tshikhala tsha u didzhenisa kha Environmental Impact Assessment (EIA).

Uya nga mulayo wa maitele a u dzhenelela nga tshitshavha khethhekanyo 41 EIA Regulations ya 2014 sa yo khwathisedzaho vha humbelwa u dzhiela ntha ppanelo na vhudifhinduleli havho sa Dzangalelo na mahoro au Kwamea:

- U dzhenelela kha maitele nga tshitshavha vha tea u vha vho dinwalisa vhone mune database ya thandela nga zwidodombedzwa zwa vhudavhidzani zwi songo khakheaho (kha vha sedze fomo nga murahu ha ili linwalwa).
- Kha vha vhe na vhutanzi uri madzinginywa zwi tshi yelana na thandela a nekedzwe hu saathu fhira maduvha a 30 sa phimatshifhinga tsho vhwaho.
- Vha humbelwa u bvisela khagala vhubindudzi havho, zwa masheleni, vhuvha havho kana manwe madzangalelo a songo livhaho u itela u tangedzwa kana u hanelwa ha khumbelo yavho kha Environmental Authorisation kha madzinginywa a maitele a thandela.

## **U DZHENELELA KHA IYI THANDALA**

Kha vha fhindule nga (E-mail kana nga lunwalo) kha thambo yashu, ine ya do kunguwedzwa kha (fixed notice board) ndivhadzo yo nwalwaho na kunguwedzo kha gurannya:

- Nga u vhusa fomo dzo nambatedzwaho nga murahu ha ili linwalwa kha muthu o teaho.
- Nga u dzhenele mitangano ya nnyi na nnyi ine ya dovha hone tshifhinga tshothe tsha iyi thandela ngau vhudza datumu na fhethu hune maguvhangano o duvha lothe a vhatu vhothe a do farelwa hone nga maanda arali vho dinwalisa sa Dzangalelo na mahoro au Kwamea
- Nga u sedzulusa na maambiwa o nekedzwaho na phindulo murahu kha mvetamveto ya u sedzulusa ha EIA, vha vhuye murahu hu sathu u fhira tshikhala tsho sedzuluswaho tsha maduvha a 30 (refer to **Figure 1 - EIA process and I&AP commenting opportunities**).
- Maiswa avho kha maitete ayo a vhumba tshipida tsha ndeme zwi tshi kwama u dzhia tsho ya khumbelo kha thendelo ya mupo. Nga u dadza na u nekedza fomo l fhelekedzaho maambiwa, vha mbo di vha vho dinwalisa asa Dzangalelo na mahoro au Kwamea kha thandela iyi. Vha kwathisedza uri maambiwa avho, mbilaelo kana mbudziso zwi tshi kwama iyi thandela zwi do dzhielwa ntha zwa iswa kha Ndivho ya muhasho vha do nekedzwa mbuno dzo teaho nga tshifhinga.

Udi nwalisa Dzangalelo na mahoro au Kwamea, ri humbelwa uri vha rumele dzina lavho, zwidodombedzwa zwa vhune na u tama u di dzhenisa kha thendelo iyi kha Ronaldo Retief kha zwidavidzano zwo nwalwaho nga fhasi hu sathu fhira maduvha a 30 musu vho wana ulu lunwalo.

U di dzhenisa havho kha uyu mushumo ndi zwa nthesa

Wavho a Fulufhedzeaho,

**Ronaldo Retief**

Delta Built Environment Consultants

P.O. Box 35703, Lynnwood, Pretoria, 0180

Tel: 012 368 1850

Fax: 012 348 4738

Email: [Ronaldo.Retief@deltabec.com](mailto:Ronaldo.Retief@deltabec.com) / [sez@deltabec.com](mailto:sez@deltabec.com)

**NOTICE OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION AND CHANGE OF LANDUSE FOR THE PROPOSED MUSINA-MAKHADO SPECIAL ECONOMIC ZONE (SEZ) IN TERMS OF THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS OF 2014 (AS AMENDED)**

**Reference:** Musina-Makhado Special Economic Zone (SEZ)

If you would like to register as an interested and affected party, please complete the form below and return it within 30-days of receipt of this document to:

Delta Built Environment Consultants

P.O. Box 35703, Lynnwood, Pretoria, 0180

Tel: 012 368 1850

Email: [Ronaldo.Retief@deltabec.com](mailto:Ronaldo.Retief@deltabec.com) / [sez@deltabec.com](mailto:sez@deltabec.com)

Title: \_\_\_\_\_ Initials: \_\_\_\_\_ First Name: \_\_\_\_\_

Surname: \_\_\_\_\_

Interest/nature of involvement, e.g. property owner: \_\_\_\_\_

Organisation: \_\_\_\_\_

E-mail: \_\_\_\_\_

Telephone work: \_\_\_\_\_ Telephone home: \_\_\_\_\_

Cellular Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Physical address (street) / property description (name and number):

\_\_\_\_\_  
\_\_\_\_\_

Postal address:

\_\_\_\_\_  
\_\_\_\_\_

What is your main area of interest with regard to the proposed activities?

\_\_\_\_\_  
\_\_\_\_\_

Please register any possible comments, interests and/or concerns in this process:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Delta Built Environment Consultants  
P O Box 35703  
Menlo Park  
0102

ROOTED IN THE FUTURE

**Reference:** Musina-Makhado Special Economic Zone (SEZ)

Dear Sir/Madam

**NOTICE OF APPLICATION FOR ENVIRONMENTAL AUTHORISATION AND CHANGE OF LANDUSE FOR THE PROPOSED MUSINA MAKHADO SPECIAL ECONOMIC ZONE (SEZ) IN TERMS OF THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS OF 2014 (AS AMENDED)**

As an Interested and Affected Party, I, \_\_\_\_\_  
(full name), owner / tenant of property  
\_\_\_\_\_ (name

of property), agree with the following (**kindly mark the applicable option/s**):

- I have **received information** regarding the application for Environmental Authorisation for the project mentioned above.
- I do not have any objections regarding the proposed project and I therefore wish to express my **consent or no-objection** for the proposed project.
- I **do not agree** with the proposed project and I therefore wish to express my **objection** to the proposed application for environmental authorisation.
- I want to **register as an I&AP** and to be kept informed of the process and of local open day sessions (please use attached form to fill in your contact details).
- I want to attend an information session of the proposed project at Delta BEC's head office in Pretoria, Gauteng Province

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_