

**UMBIKO WOKUQALWA KWE-ENVIRONMENTAL
AND SOCIAL IMPACT ASSESSMENT ESIA
YENKAMPANI YEKAMATIVI MINING COMPANY**

1.0 Isingeniso

Umbiko lo ulungiselelwe njengengxenye yokuqala iEnvironmental and Social Impact Assessment (ESIA) yokuvulwa kweKamativi Mining Company ukuze kuhlolwe, kubunjwe kanye lokucubungulwe amatshe alensimbi yeLithium.

Umbiko ulotshwe ngokuhambisana loMthetho weZimbabwe we-Environmental Management Act [Chapter 20:27] kanye lemigomo yawo.

Ulwazi olusembikweni lowe luzatholakala njalo kuKMC ESIA Addendum Report (2025) kanye leFeasibility Study yeZimbabwe KMC Kamativi Lithium Polymetallic Ore Mine Project (2024).

2.0 Incazelo Yephrojekthi

2.1 Ibizo Lephrojekthi

Iphrojekthi Yokuhlola, Ukumba Lokucubungula Amatshe eLithium eKamativi.

2.2 Umnikazi Wephrojekthi

Kamativi Mining Company (Private) Limited.

2.3 Indawo Yephrojekthi

Imayini izakuba seWard 11 eHwange District, eMatabeleland North Province. Imayini itholakala kumakhilomitha angamatshumi amathathu 30 empumalanga yeCross Dete.

Amanzi azasetshenziswa kulephrojekthi azathathwa eKamativi Dam, eGwayi River kanye ledamu elitsha elizakwakhiwa yiKamativi Mining Company.

2.4 Imisebenzi Ezakwenziwa

Iphrojekthi izafaka phakathi:

Ukuhlola Amatshe Alensimbi

Ukuhlola indawo lapho okutholakala khona amatshe alensimbi yeLithium.

Ukumba Imayini Evulekileyo (Open Pit Mining)

Ukumba insimbi kusukela phezu komhlaba kuze kufinyelelwe ematsheni alensimbi.

Ukucubungula Amatshe

Amatshe azagxotshwa, ahlukaniwe ngemishini efana le-flotation kanye le-magnetic separation, kuthi insalela (tailings) igcinwe ezindaweni ezivikelekileyo.

Ukuthatha Amanzi

Amanzi azathathwa kusetshenziswa amaphampu ukuze kube lamanzi umnyaka wonke.

Ezinye Izakhiwo

- Imigwaqo
- Ama-workshop
- Izindawo zokugcina amakhemikhali
- Amahofisi
- Izakhiwo zokusekela umsebenzi.

2.5 Impilo Yephrojekthi

Iphrojekthi kulindeleke ukuthi isebenze okweminyaka engabangamatshumi amabili (20 years) ngezigaba ezimbili.

2.6 Isifinyezo Sohlelo Lokutholakala Kwamanzi

- Imayini izadinga amanzi angaba ngu-42 915 cubic metres ngosuku.
- Amaphesenti angu-93 amanzi azaphinda asetshenziswe.
- Amanzi amatsha angaba ngu-7 200 cubic metres ngosuku azathathwa eKamativi Dam kanye ledamu elitsha.
- Uma kudingeka, amanzi azabuye athathwe emfuleni uGwayi.

3.0 Imiphumela Engaba Khona Emvelweni Lasemphakathini Kanye Lezindlela Zokuyinciphisa

Amanzi

Imiphumela

- Ukungcoliswa kwamanzi
- Ukuguquka kokugeleza kwamanzi

Izindlela Zokuvikela

- Ukwakha indawo evalekileyo yokugcina amanzi alengcekeza,(ama-tailings.)
- Ukuhlanza amanzi ngaphambi kokuwasebenzisa futhi.
- Ukuvimbela amanzi angcolileyo ukuthi angene emifuleni loba emadamini.

Inhlabathi Lokuguguleka Komhlabathi

Imiphumela

- Ukwanda kodaka olungena emifuleni.

Izindlela

- Ukwakha ama-silt traps.
- Ukulungisa indawo ephazamisekileyo ngokutshala utshani lezihlahla.

Amanzi Angaphansi Komhlabathi

Imiphumela

- Ukuvuza kwamakhemikhali loba amafutha.

Izindlela

- Ukusebenzisa ama-HDPE liners.
- Ukuhlola amanzi angaphansi komhlabathi njalo ngemva kwezinyanga ezintathu.

Umoya Lomsindo

Imiphumela

- Uthuli
- Umsindo
- Ukudlidliza okubangelwa ukuqhumisa.

Izindlela

- Ukufafaza amanzi emigwaqweni.
- Ukuhlela isikhathi sokuqhumisa.
- Ukunika abasebenzi impahhla sokuvikela ingozi-PPE.
- Ukwazisa umphakathi ngaphambi kokuqhumisa.

Izilwane Lezitshalo

Imiphumela

- Ukuganylwa kwezihlahla.
- Ukuphazamiseka kwenyamazana zeganga.

Izindlela

- Ukuvikela indawo ezibalulekileyo.
- Ukuhlanyela izihlahla zemvelo.

Ukuphathwa Kwenkunkuma

Imiphumela

- Inkunkuma eyingozi.
- Inkunkuma yasekhaya.

Izindlela

- Ukuhlukanisa inkunkuma.
- Ukuyilahla ezindaweni ezivunyelwe yiEMA.

Impilo Lokuphepha Kwabasebenzi

Imiphumela

- Izingozi emsebenzini.
- Ukuchayeka othulini kanye lamakhemikhali.

Izindlela

- Ukusebenzisa uhlelo lwe SHE. (Impilakahle Yezisebenzi kanye lomphakathi)
- Ukunika abasebenzi ama-PPE.
- Ukuqeqesha abasebenzi.
- Ukuhlolwa kwempilo njalo.

Inhlalakahle Lomnotho Womphakathi

Imiphumela

- Ukususwa kwabantu ezindaweni zabo.
- Ukwanda kwabafuna umsebenzi.

Izindlela

- Ukuqhatsha abantu abakhulela eKamativi kuqala.
- Ukwenza amaprojekthi okusiza umphakathi njengokwakha imigodi yamanzi, ukuletha amanzi ezikolo, kanye lokusekela izibhedlela.

Amagugu Esintu

Kungatholakala indawo ezilamagugu ngesikhathi sokwakha, umsebenzi uzamiswa kuze kwaziswe iEMA kanye leNational Museums and Monuments of Zimbabwe.

4.0 Uhlelo LweESIA Kanye Lokubandakanywa Kwabantu

I Environmental and Social Impact Assessment izalandela imithetho yeZimbabwe kanye lezidingo zeEnvironmental Management Agency (EMA).

4.1 Izigaba ZeESIA

4.1.1 Screening kanye leScoping

Kuzahlolwa ukuthi luhlobo bani lweESIA oludingekayo. Lokhu kuzalandelwa ngokulungiswa kweTerms of Reference (TOR) ezizamukelwa yiEMA.

4.1.2 Ukuqoqwa Kolwazi Lwendawo (Baseline Studies)

Kuzahlola ukuze kuyazakale ukuthi imayini ingakaqali impilakahle imi njani mayelana:

- Ngomoya
- Amanzi
- Ngomhlabathi
- Ngenyamazana lezihlahla
- Ngokusetshenziswa komhlaba
- Ngempilo yabantu
- Ngomnotho womphakathi
- Ngamasiko lamagugu

Ukucubungula lokhu kuzayenziwa ngesikhathi sezulu lezikhathi ezomileyo.

4.1.3 Ukuhlolwa Kwemiphumela

Ochwepheshe bazahlola indlela iprojekthi engathinta ngayo:

- Imvelo
- Impilo yabantu
- Amanzi
- Umoya

- Izilwane lezihlahla
- Umnotho womphakathi

4.1.4 Ukubonisana Lomphakathi

Imihlangano izakwenziwa labahlali, amakhosi endabuko, iHwange Rural District Council, iEMA, iZINWA, izikolo, amakiliniki, kanye labanye bonke abathintekayo.

Imibono yabo izafakwa embikweni weESIA.

4.1.5 Ukulungiswa KweDraft ESIA

Lonke ulwazi oluqoqiweyo luzasetshenziswa ukulungisa umbiko weDraft ESIA ozatshengisa imiphumela engaba khona kanye lezindlela zokuyinciphisa.

4.1.6 Ukuthunyelwa KweESIA kuEMA

Umbiko uzahanjiswa kuEMA ukuze uhlolwe. IEMA ingawamukela, icele ukulungiswa kumbe iwale iphrojekthi.

4.1.7 Ukusebenza KweESMP Lokuhlolwa

Nxa umsebenzi usuqalile:

- I-Environmental and Social Management Plan (ESMP) izasetshenziswa.
- Ukuhlolwa kuzaqhubeka njalo.
- Imibiko izahanjiswa kuEMA.
- Nxa kuvela inkinga kuzathathwa amanyathelo okulungisa.

4.2 Isikhathi Esilindelekileyo

Umsebenzi	Isikhathi
Screening kanye leScoping	Amaviki amathathu
Baseline Studies	Amaviki ayisithupha
Ukubonisana Lomphakathi	Amaviki amane
Ukulungisa Draft ESIA	Amaviki amane
Ukuhlolwa yiEMA	Amaviki ayisithupha
Umsebenzi	Isikhathi

5.0 Abaphethe Iphrojekthi YeESIA

Umnikazi Wephrojekthi

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Umeluleki Omkhulu:

Mr Albert Jaya (Environmentalist)

Regulatory Authority

Environmental Management Agency (EMA)

6.0 Isiphetho

Iphrojekthi yeKamativi Mining Company kulindeleke ukuthi ilethe amathuba emisebenzi, ithuthukise umnotho, futhi isekele ukuthuthukiswa komphakathi. Kodwa-ke, njengamanye amaphrojekthi amakhulu ezemayini, ingaba lemiphumela emvelweni kanye lasempilweni yabantu nxa ingaphathwa kuhle.

I-Environmental and Social Impact Assessment (ESIA) izahlolisisa yonke imiphumela engaba khona futhi ichaze izindlela zokuyivimbela loba ukuyinciphisa. Iphrojekthi izaqhutshwa ngokuhambisana le-Environmental Management Act [Chapter 20:27], i-Statutory Instrument 7 of 2007, kanye lemikhuba yamazwe omhlaba yokuvikela imvelo, impilo yabantu, kanye lokuthuthukisa intuthuko eqhubekayo.