



ZCCM Investments Holding Plc.,
Incorporated in the Republic of Zambia

Prequalification Document

for

Airborne Magnetics and Airborne
Electromagnetics Geophysical Survey
for the following Licence Areas:

- i. Serenje District (Kabundi Area) of Central
Province
- ii. Masaiti District of Copperbelt Province

ZCCM-IH/1001/2026

17TH April 2026

Summary Description

This Standard Procurement Document (SPD) consists of the Prequalification Procedures for Procurement of Airborne Magnetism and Airborne Electromagnetics Geophysical Survey. A brief description of this document is given below.

Prequalification Document for Airborne Magnetism and Airborne Electromagnetics Geophysical Survey.

PART 1 – PREQUALIFICATION PROCEDURES

Section I. Instructions to Applicants (ITA)

This Section specifies the procedures to be followed by Applicants in the preparation and submission of their Applications for Prequalification (AFPs). Information is also provided on opening and evaluation of AFPs. **Section I contains provisions that are to be used without modification.**

Section II. Prequalification Data Sheet (PDS)

This Section consists of provisions that are specific to each prequalification and supplement the information or requirements included in Section I, Instructions to Applicants.

Section III. Qualification Criteria and Requirements

This Section contains the methods, criteria, and requirements to be used to determine how Applicants shall be prequalified and later invited to bid.

Section IV. Application Forms

This Section contains the forms for the Application Submission Form and all the forms required to be submitted with the Application.

Section V. Eligible Countries

This Section states the country eligibility policy of the Zambia, and provides lists of ineligible countries

PART 2. TERMS OF REFERENCE

Section VI. Terms of Reference for Airborne Magnetics and Airborne

Electromagnetics Geophysical Survey

This Section includes a summary description of the Terms of Reference for Airborne Magnetics and Airborne Electromagnetics Geophysical Survey subject to this prequalification.

PROCUREMENT DOCUMENTS

Prequalification Document for

Procurement of

**Airborne Magnetism and Airborne Electromagnetics
Geophysical Survey**

Issued on: 17th April 2026

Invitation for Prequalification

No.: ZCCM-IH/1001/2026

Employer: ZCCM Investments Holdings Plc.

Country: Zambia

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PART 1 – Prequalification Procedures

Section I. Instructions to Applicants

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Section I. Instructions to Applicants

A. General

- 1. Scope of Application**
 - 1.1 In connection with the Invitation for Prequalification indicated in Section II, Prequalification Data Sheet (PDS), the Employer, as defined in the **PDS**, issues this Prequalification Document (PQD) to applicants interested in bidding for the services described in Section VI, Scope of Services. The number of contracts and the name and identification of each contract, and the International Competitive Bidding (IFB) number corresponding to this prequalification, are provided in the **PDS**.

- 2. Source of Funds**
 - 2.1 The Borrower or Recipient (hereinafter called "Borrower") indicated in the **PDS** has applied for or received financing (hereinafter called "funds") from own sources towards the cost of the project named in the **PDS**. The Borrower intends to apply a portion of the funds to eligible payments under the contract(s) resulting from the bidding for which this prequalification is conducted.

- 3. Fraud and Corruption**
 - 3.1 It is the Bank's policy to require that Borrowers (including beneficiaries of Bank loans), as well as bidders, suppliers, and contractors and their subcontractors under Bank-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts.¹ In pursuance of this policy, the Bank:
 - (a) defines, for the purposes of this provision, the terms set forth below as follows:
 - (i) "corrupt practice"² is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
 - (ii) "fraudulent practice"³ is any act or omission,

¹ In this context, any action taken by a bidder, supplier, contractor, or a sub-contractor to influence the procurement process or contract execution for undue advantage is improper.

² "another party" refers to a public official acting in relation to the procurement process or contract execution]. In this context, "public official" includes World Bank staff and employees of other organizations taking or reviewing procurement decisions.

³ a "party" refers to a public official; the terms "benefit" and "obligation" relate to the procurement process or contract execution; and the "act or omission" is intended to influence

- including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (iii) "collusive practice"⁴ is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
 - (iv) "coercive practice"⁵ is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
 - (v) "obstructive practice" is
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Bank investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation; or
 - (bb) acts intended to materially impede the exercise of the Bank's inspection and audit rights provided for under sub-clause 3.1 (e) below.
- (b) will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;

the procurement process or contract execution.

⁴ "parties" refers to participants in the procurement process (including public officials) attempting to establish bid prices at artificial, non competitive levels.

⁵ a "party" refers to a participant in the procurement process or contract execution.

- (c) will cancel the portion of the loan allocated to a contract if it determines at any time that representatives of the Borrower or of a beneficiary of the loan engaged in corrupt, fraudulent, collusive, or coercive practices during the procurement or the execution of that contract, without the Borrower having taken timely and appropriate action satisfactory to the Bank to address such practices when they occur;
- (d) will sanction a firm or individual, including declaring ineligible, either indefinitely or for a stated period of time, to be awarded a Bank-financed contract if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for, or in executing, a Bank-financed contract; and
- (e) will have the right to require that a provision be included in bidding documents and in contracts financed by a Bank loan, requiring bidders, suppliers, and contractors and their sub-contractors to permit the Bank to inspect their accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by the Bank.

4. Eligible Applicants

- 4.1 An Applicant shall be a private, public or government owned legal entity, subject to ITA 4.8, or any combination of them in the form of association(s) including Joint Venture (JV) with the formal intent, as evidenced by a letter of intent), to enter into an agreement or under an existing agreement. In the case of a JV, unless otherwise specified in the **PDS**, (i) all parties shall be jointly and severally liable, and (ii) there shall be no limit on the number of partners.
- 4.2 The eligibility criteria listed in this Clause 4 shall apply to the Applicant, including the parties constituting the Applicant, i.e., its proposed partners, subcontractors or suppliers for any part of the Contract including related services.

- 4.3 An Applicant may have the nationality of any country, subject to the restrictions pursuant to sub clause 4.11. An Applicant shall be deemed to have the nationality of a country if the Applicant is a citizen, or is constituted, incorporated or registered and operates in conformity with the provisions of the laws of that country, as evidenced by its Articles of Incorporation or Documents of Constitution, and its Registration Documents.
- 4.4 Applicants and all parties constituting the Applicant shall not have a conflict of interest. Applicants shall be considered to have a conflict of interest, if they participated as a consultant in the preparation of the design or technical specifications of the Services that are the subject of this prequalification. Where a firm, or a firm from the same economic or financial group, in addition to consulting, also has the capability to manufacture or supply goods or to provide analytical services, that firm, or a firm from the same economic or financial group, cannot normally be a supplier of goods or provider of analytical services, if it provided consulting services for the contract corresponding to this prequalification, unless it can be demonstrated that there is not a significant degree of common ownership, influence or control.
- 4.5 An Applicant shall submit only one application in the same Prequalification process, either individually as an Applicant or as a partner of a joint venture. No Applicant can be a subcontractor while submitting an application individually or as a partner of a joint venture in the same Prequalification process. A Subcontractor in any application may participate in more than one application, but only in that capacity. An Applicant who submits, or participates in, more than one application will cause all the applications in which the Applicant has participated to be disqualified.
- 4.6 A firm that has been determined to be ineligible by the Bank in relation to the Bank Guidelines On Preventing and Combating Fraud and Corruption in Projects Financed by IBRD Loans and IDA Credits and Grants shall be not be eligible to be awarded a contract.

- 4.7 An Applicant that is under a declaration of ineligibility by the Zambia Public Procurement Authority (ZPPA) in accordance with ITA 3, at the date of submission of the application or thereafter, shall be disqualified. ZPPA maintains a list of firms and individuals that have been sanctioned by ZPPA pursuant to Sub-Clause 3.1 (c) and are not eligible to participate in government financed procurement. The list is regularly updated; its address is specified in the **PDS**.
 - 4.8 Government-owned entities in the Employer's Country shall be eligible only if they can establish that they are legally and financially autonomous, and operate under commercial law, and that they are not dependent agencies of the Employer.
 - 4.9 Applicants shall not be under execution of a Bid-Securing Declaration in the Employer's Country.
 - 4.10 Applicants and all parties constituting the Applicant shall provide such evidence of their continued eligibility satisfactory to the Employer, as the Employer shall reasonably request.
 - 4.11 Applicants from an eligible country may be excluded if, (a) as a matter of law or official regulations the Borrower's country prohibits commercial relations with that country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of goods or the contracting of services required; or (b) by an act of compliance with a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's country prohibits any import of goods or contracting of services or services from that country, or any payments to persons or entities in that country. Section VI, Eligible countries provide lists of ineligible countries pursuant to this Sub Clause 4.11.
- 5. Eligible Goods and Related Services**
- 5.1 All goods and related services to be supplied under the Contract to be financed by the Bank shall have as their origin in any country in accordance with Section V, Eligible Countries.

B. Contents of the Prequalification Document

6. Sections of Prequalification Document

- 6.1 The document for the prequalification of Applicants (hereinafter - "prequalification document") consists of parts 1 and 2 which comprise all the sections indicated below, and should be read in conjunction with any Addendum issued in accordance with ITA 8.

PART 1 Prequalification Procedures

- Section I. Instructions to Applicants (ITA)
- Section II. Prequalification Data Sheet (PDS)
- Section III. Qualification Criteria and Requirements
- Section IV. Application Forms
- Section V. Eligible Countries

PART 2 Services Requirements

- Section VI. Scope of Services

- 6.2 The "Invitation for Prequalification Applications" issued by the Employer is not part of the prequalification document. A sample form is provided as an attachment to this Prequalification Document for information only.
- 6.3 The Employer accepts no responsibility for the completeness of the prequalification document and its addenda unless they were obtained directly from the Employer.
- 6.4 The Applicant is expected to examine all instructions, forms, and terms in the Prequalification Document and to furnish all information or documentation required by the Prequalification Document.

- 7. Clarification of Prequalification Document**
- 7.1 A prospective Applicant requiring any clarification of the Prequalification Document shall contact the Employer in writing at the Employer's address indicated in the **PDS**. The Employer will respond in writing to any request for clarification provided that such request is received no later than fourteen (14) days prior to the deadline for submission of applications. The Employer shall forward copies of its response to all applicants who have acquired the prequalification document directly from the Employer including a description of the inquiry but without identifying its source. Should the Employer deem it necessary to amend the prequalification document as a result of a clarification, it shall do so following the procedure under ITA 8 and in accordance with the provisions of ITA 17.2.
- 8. Amendment of Prequalification Document**
- 8.1 At any time prior to the deadline for submission of applications, the Employer may amend the Prequalification Document by issuing addenda.
- 8.2 Any addendum issued shall be part of the Prequalification Document and shall be communicated in writing to all who have obtained the prequalification document from the Employer.
- 8.3 To give prospective Applicants reasonable time to take an addendum into account in preparing their applications, the Employer may, at its discretion, extend the deadline for the submission of applications.

C. Preparation of Applications

- 9. Cost of Applications**
- 9.1 The Applicant shall bear all costs associated with the preparation and submission of its application. The Employer will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the prequalification process.
- 10. Language of Application**
- 10.1 The application as well as all correspondence and documents relating to the prequalification exchanged by the Applicant and the Employer, shall be written in the language specified in the **PDS**. Supporting documents and printed literature that are part of the application

may be in another language, provided they are accompanied by an accurate translation of the relevant passages in the language specified in the **PDS**, in which case, for purposes of interpretation of the application, the translation shall govern.

- 11. Documents Comprising the Application**
- 11.1 The application shall comprise the following:
- (a) Application Submission Form, in accordance with ITA 12;
 - (b) documentary evidence establishing the Applicant's eligibility to prequalify, in accordance with ITA 13;
 - (c) documentary evidence establishing the Applicant's qualifications, in accordance with ITA 14; and
 - (d) any other document required as specified in the **PDS**.
- 12. Application Submission Form**
- 12.1 The Applicant shall prepare an Application Submission Sheet using the form furnished in Section IV, Application Forms. This Form must be completed without any alteration to its format.
- 13. Documents Establishing the Eligibility of the Applicant**
- 13.1 To establish its eligibility in accordance with ITA 4, the Applicant shall complete the eligibility declarations in the Application Submission Form and Forms ELI (eligibility) 1.1 and 1.2, included in Section IV, Application Forms.
- 14. Documents Establishing the Qualifications of the Applicant**
- 14.1 To establish its qualifications to perform the contract(s) in accordance with Section III, Qualification Criteria and Requirements, the Applicant shall provide the information requested in the corresponding Information Sheets included in Section IV, Application Forms.

15. Signing of the Application and Number of Copies

- 15.1 The Applicant shall prepare one original of the documents comprising the application as described in ITA 11 and clearly mark it "ORIGINAL". The original of the application shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the Applicant.
- 15.2 The Applicant shall submit copies of the signed original application, in the number specified in the **PDS**, and clearly mark them "COPY". In the event of any discrepancy between the original and the copies, the original shall prevail

D. Submission of Applications

16. Sealing and Identification of Applications

- 16.1 The Applicant shall enclose the original and the copies of the application in a sealed envelope that shall:
- (a) bear the name and address of the Applicant;
 - (b) be addressed to the Employer, in accordance with ITA 17.1; and
 - (c) bear the specific identification of this prequalification process indicated in the PDS 1.1.
- 16.2 The Employer will accept no responsibility for not processing any envelope that was not identified as required.

17. Deadline for Submission of Applications

- 17.1 Applicants may always submit their applications by mail or by hand. When so specified in the **PDS**, applicants shall have the option of submitting their applications electronically, in accordance with electronic application submission procedures specified in the **PDS**. Applications shall be received by the Employer at the address and no later than the deadline indicated in the **PDS**. A receipt will be given for all applications submitted.
- 17.2 The Employer may, at its discretion, extend the deadline for the submission of applications by amending the Prequalification Document in accordance with ITA 8, in which case all rights and obligations of the Employer and the Applicants subject to the previous deadline shall

thereafter be subject to the deadline as extended.

18. Late Applications

18.1 Any application received by the Employer after the deadline for submission of applications prescribed in accordance with ITA 17 will be treated as indicated in the **PDS**.

19. Opening of Applications

19.1 Any specific electronic application opening procedures required if electronic submission of applications is permitted pursuant to Sub Clause 17.1 shall be as specified in the **PDS**. Employer shall prepare a record of the opening of applications that shall include, as a minimum, the name of the Applicant. A copy of the record shall be distributed to all Applicants.

E. Procedures for Evaluation of Applications

20. Confidentiality

20.1 Information relating to the evaluation of applications, and recommendation for prequalification, shall not be disclosed to Applicants or any other persons not officially concerned with such process until the notification of prequalification is made to all Applicants.

20.2 From the deadline for submission of applications to the time of notification of the results of the prequalification in accordance with ITA 28, any Applicant that wishes to contact the Employer on any matter related to the prequalification process, may do so but only in writing.

21. Clarification of Applications

21.1 To assist in the evaluation of applications, the Employer may, at its discretion, ask any Applicant for a clarification of its application which shall be submitted within a stated reasonable period of time. Any request for clarification and all clarifications shall be in writing.

21.2 If an Applicant does not provide clarifications of the information requested by the date and time set in the Employer's request for clarification, its application may be rejected.

22. Responsiveness of Applications

22.1 The Employer may reject any application which is not responsive to the requirements of the prequalification document.

23. Domestic Bidder Price

23.1 Unless otherwise specified in the **PDS**, a margin of preference for domestic bidders shall not apply in the

- Preference** bidding process resulting from this prequalification.
- 24. Subcontractors**
- 24.1 Applicants planning to subcontract any of the key activities indicated in Section III, Qualification Criteria, shall specify the activity(ies) or parts of the services to be subcontracted in the Application Submission Form. Applicants shall clearly identify the proposed specialist subcontractors in Forms ELI-1.2 and EXP (experience)-4.2(b) in Section IV. Such proposed specialist subcontractor(s) shall meet the corresponding qualification requirements specified in Section III, Qualification Criteria and Requirements.
- 24.2 At this time, the Employer does not intend to execute certain specific parts of the Services by subcontractors selected in advance by the Employer (Nominated Subcontractors) unless otherwise stated in the **PDS**.

F. Evaluation of Applications and Prequalification of Applicants

- 25. Evaluation of Applications**
- 25.1 The Employer shall use the factors, methods, criteria, and requirements defined in Section III, Qualification Criteria and Requirements to evaluate the qualifications of the Applicants. The use of other methods, criteria, or requirements shall not be permitted. The Employer reserves the right to waive minor deviations in the qualification criteria if they do not materially affect the capability of an Applicant to perform the contract.
- 25.2 Only the qualifications of subcontractors that have been identified in the application may be considered in the evaluation of an Applicant. However, the general experience and financial resources of subcontractors may not be added to those of the Applicant for purposes of prequalification of the Applicant.
- 25.3 In case of multiple contracts, the Employer shall prequalify each Applicant for the maximum number and types of contracts for which the Applicant meets the appropriate aggregate requirements of such contracts, as specified in Section III, Qualification Criteria and Requirements.
- 26. Employer's**
- 26.1 The Employer reserves the right to accept or reject any

- Right to Accept or Reject Applications** application, and to annul the prequalification process and reject all applications at any time, without thereby incurring any liability to Applicants.
- 27. Prequalification of Applicants** 27.1 All Applicants whose applications have met or exceeded ("passed") the specified threshold requirements will, to the exclusion of all others, be prequalified by the Employer.
- 28. Notification of Prequalification** 28.1 Once the Employer has completed the evaluation of the applications it shall notify all Applicants in writing of the names of those applicants who have been prequalified.
- 29. Invitation to Bid** 29.1 Promptly after the notification of the results of the prequalification the Employer shall invite bids from all the Applicants that have been prequalified.
- 29.2 Bidders may be required to provide a Bid Security or a Bid Securing Declaration acceptable to the Employer in the form and an amount to be specified in the Bidding Documents, and the successful Bidder shall be required to provide a Performance Security to be specified in the Bidding Documents.
- 30. Changes in Qualifications of Applicants** 30.1 Any change in the structure or formation of an Applicant after being prequalified in accordance with ITA 27 and invited to bid shall be subject to a written approval of the Employer prior to the deadline for submission of bids. Such approval shall be denied if as a consequence of the change the Applicant no longer substantially meets the qualification criteria set forth in Section III, Qualification Criteria and Requirements, or if in the opinion of the Employer, a substantial reduction in competition may result. Any such changes shall be submitted to the Employer not later than 14 days after the date of the Invitation for Bids.

Section II. Prequalification Data Sheet

A. General

ITA 1.1	The Employer is: ZCCM Investments Holdings Plc, ZCCM-IH Office Park, Stand No. 16806, Alick Nkhata Road, Mass Media Complex Area, Lusaka.
ITA 1.1	The list of contracts is: Not Applicable
ITA 1.1	PQD name and number are: Airborne Magnetics and Airborne Electromagnetics Geophysical Survey ZCCM-IH Licence Areas, PQD No.: ZCCM-IH/1001/2026
ITA 2.1	The name of the Borrower is: Not Applicable.
ITA 2.1	The name of the Project is: Airborne Magnetics and Airborne Electromagnetics Geophysical Survey in ZCCM-IH Licence Areas
ITA 4.1	(i) The parties in a JV <i>shall</i> be jointly and severally liable. (ii) Maximum number of partners in the JV shall be: 2
ITA 4.7	A list of firms debarred from participating in Government-financed projects is available at http://www.ppa.org.zm

B. Contents of the Prequalification Document

ITA 7.1	<p>For clarification purposes, the Employer's address is:</p> <p>same as in 1.1 above</p> <p>Attention: Gift Zulu (Mr.) – Procurement Manager</p> <p>Address: Stand No. 16806, Alick Nkhata Road, Mass Media Complex Area</p> <p>City: Lusaka</p> <p>Country: Zambia</p> <p>Telephone: +260-211-388000</p> <p>Electronic mail address: gift.zulu@zccm-ih.com.zm; ernest.mukuka@zccm-ih.com.zm; procurement@zccm-ih.com.zm</p>
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C. Preparation of Applications	
ITA 10.1	The language of the application as well as of all correspondence is: English.
ITA 11.1 (d)	<p>The Applicant shall submit with its application, the following additional documents:</p> <ul style="list-style-type: none"> i) Company Certificate of Incorporation; ii) Valid Tax Clearance Certificate iii) Valid NAPSA Compliance Certificate iv) Valid Workers' Compensation Fund Control Board Compliance Certificate v) Tax Registration Certificate vi) 2026 Engineering Institution of Zambia (EIZ) Practising Certificate vii) Written Power of Attorney signed by the official duly authorized. viii) Proof of possessing minimum of three (3) years of work experience and successfully completed similar services or projects. The said proof must be in form of Purchase Orders and/or signed contracts ix) Information regarding any Litigation, current or during the last three years in which the bidder is involved, the parties concerned, and disputed amount.
ITA 15.2	In addition to the original, the number of copies to be submitted with the application is: Three (03)
D. Submission of Applications	
ITA 17.1	Submission shall be electronically on or before 5th May 2026 at 16:00 Hours via a link to be shared by ZCCM-IH PLC to paid up applicants only.
	<p>The deadline for application submission is:</p> <p>Date: Tuesday, 5th May 2026</p> <p>Time: 16:00 local time</p>
ITA 19.1	If electronic submission of applications shall be permitted, electronic application opening procedures are: Not Applicable.
E. Procedures for Evaluation of Applications	
ITA 23.1	A margin of preference shall not apply for eligible domestic

	bidder.
ITA 24.2	At this time the Employer does not intend to execute certain specific parts of the Works by subcontractors selected in advance (Nominated Subcontractors).

Section III. Qualification Criteria and Requirements

This Section contains all the methods, criteria, and requirements that the Employer shall use to evaluate applications. The information to be provided in relation to each requirement and the definitions of the corresponding terms are included in the respective Application Forms.

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Eligibility and Qualification Criteria				Compliance Requirements			Documentation
No.	Subject	Requirement	Single Entity	Joint Venture			Submission Requirements
				All Parties Combined	Each Partner	One Partner	
1. Eligibility							
1.1	Nationality	Nationality in accordance with ITA Sub-Clause 4.2	Must meet requirement	Existing or intended JV must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
1.2	Conflict of Interest	No conflicts of interest in ITA Sub-Clause 4.4	Must meet requirement	Existing or intended JV must meet requirement	Must meet requirement	N/A	Application Submission Form
1.3	ZPPA Ineligibility	Not having been declared ineligible by ZPPA, as described in ITA Sub-Clause 4.7	Must meet requirement	Existing JV must meet requirement	Must meet requirement	N/A	Application Submission Form
1.4	Government Owned Entity	Applicant required to meet conditions of ITA Sub-Clause 4.8	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments
1.5	United Nations resolution or Borrower's country law	Not having been excluded as a result of the laws of Zambia or official regulations, or by an act of compliance with UN Security Council resolution, in accordance with ITA 4.11	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Forms ELI – 1.1 and 1.2, with attachments

Eligibility and Qualification Criteria		Compliance Requirements			Documentation		
No.	Subject	Requirement	Single Entity	Joint Venture			Submission Requirements
				All Parties Combined	Each Partner	One Partner	
2. Historical Contract Non-Performance							
2.1	History of Non-Performing Contracts	Non-performance of a contract did not occur within the last three (03) years prior to the deadline for application submission based on all information on fully settled disputes or litigation. A fully settled dispute or litigation is one that has been resolved in accordance with the Dispute Resolution Mechanism under the respective contract and where all appeal instances available to the applicant have been exhausted.	Must meet requirement by itself or as partner to past or existing JV	N/A	Must meet requirement by itself or as partner to past or existing JV	N/A	Form CON-2
2.2	Failure to Sign Contract	Not being under execution of a Bid Securing Declaration pursuant to Sub-Clause 4.9 for three (03) years	Must meet requirement	Must meet requirement	Must meet requirement	N/A	Application Submission Form
2.3	Pending Litigation	All pending litigation shall in total not represent more than fifty (50) % , of the Applicant's net worth and shall be treated as resolved against the Applicant	Must meet requirement by itself or as a partner to past or existing JV	N/A	Must meet requirement by itself or as a partner to past or existing JV	N/A	Form CON – 2

Eligibility and Qualification Criteria		Compliance Requirements				Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture			Submission Requirements
				All Parties Combined	Each Partner	One Partner	
3. Financial Situation							
3.1	Financial Performance	Submission of audited balance sheets or if not required by the law of the Applicant's country, other financial statements acceptable to the Employer, for the last three (03) years to demonstrate: (a) the current soundness of the applicant's financial position and its prospective long term profitability, and (b) capacity to have a cash flow amount of US\$ Not Applicable equivalent	Must meet requirement (a) Must meet requirement (b) Must meet requirement	N/A (a) N/A (b) Must meet requirement	Must meet requirement (a) Must meet requirement (b) N/A	N/A (a) N/A (b) N/A	Form FIN – 3.1 with attachments
3.2	Average Annual Construction Turnover (Not Applicable)	Minimum average annual construction turnover of US\$ N/A , calculated as total certified payments received for contracts in progress or completed, within the last N/A years.	Must meet requirement	Must meet requirement	Must meet <i>[insert number] %</i> , <i>[insert percentage in words]</i> of the requirement	Must meet <i>[insert number] %</i> , <i>[insert percentage in words]</i> of the requirement	Form FIN – 3.2

Eligibility and Qualification Criteria			Compliance Requirements			Documentation	
No.	Subject	Requirement	Single Entity	Joint Venture			Submission Requirements
				All Parties Combined	Each Partner	One Partner	
4. Experience							
4.1	General Construction Experience (Not Applicable)	Experience under construction contracts in the role of contractor, subcontractor, or management contractor for at least the last <i>[insert number]</i> years prior to the application submission deadline, and with activity in at least nine (9) months in each year.	Must meet requirement	N/A	Must meet requirement	N/A	Form EXP – 4.1
4.2 (a)	Specific Experience	Participation as contractor, management contractor or subcontractor, in at least two (02) contracts within the last three (03) years , each with a value of at least ZMW5,200,000.00 or equivalent , that have been successfully and substantially completed and that are similar to the proposed works. The similarity shall be based on physical size, complexity, methods/technology or other characteristics as described in Section VI, Scope of Works	Must meet requirement	Must meet requirement	N/A	Must meet require for one contract (can be a specialist subcontractor)	Form EXP 4.2(a)

Section IV. Application Forms

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Construction Experience in Key Activities	1- Error! Bookmark not defined.

Application Submission Form

Date: *[insert day, month, year]*

IFB No. and title: *[insert IFB number and title]*

To: *[insert full name of Employer]*

We, the undersigned, apply to be prequalified for the referenced IFB and declare that:

- (a) we have examined and have no reservations to the Prequalification Documents, including Addendum(s) No(s)_, issued in accordance with Instructions to Applicants (ITA) Clause 8: *[insert the number and issuing date of each addendum]*.
- (b) we, including any subcontractors or suppliers for any part of the contract resulting from this prequalification process, have nationalities from eligible countries, in accordance with ITA Sub-Clause 4.2: *[insert the nationality of the Applicant, including that of all partners in case of a Joint Venture, and the nationality of each already identified subcontractor and supplier of related services, if applicable]*;
- (c) we, including any subcontractors or suppliers for any part of the contract resulting from this prequalification, do not have any conflict of interest, in accordance with ITA Sub-Clause 4.4;
- (d) we, including any subcontractors or suppliers for any part of the contract resulting from this prequalification, have not been declared ineligible by the Bank, or under the Employer's country laws, official regulations, or under execution of a Bid Securing Declaration in the Employer's Country, or by an act of compliance with a decision of the United Nations Security Council, in accordance with ITA Sub-Clauses 4.7, 4.9 and 4.11;
- (e) *[insert either "we are not a Government owned entity" or "we are a Government entity, and we meet the requirements of ITA Sub-Clause 4.8]*;
- (f) we, in accordance with ITA Sub-Clause 24.1, plan to subcontract the following key activities and/or parts of the services:

[insert any of the key activities identified in Section III- 4.2 (b) which the Applicant intends to subcontract]
- (g) we declare that the following commissions, gratuities, or fees have been

paid or are to be paid with respect to the prequalification process, the corresponding bidding process or execution of the Contract:

<u>Name of Recipient</u>	<u>Address</u>	<u>Reason</u>	<u>Amount</u>
<i>[insert full name for each occurrence]</i>	<i>[insert street/number/city/country]</i>	<i>[indicate reason]</i>	<i>[specify amount in US\$ <u>equivalent</u>]</i>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

[If none has been paid or is to be paid, indicate "none".]

- (h) We understand that you may cancel the prequalification process at any time and that you are neither bound to accept any application that you may receive nor to invite the prequalified applicants to bid for the contract subject of this prequalification, without incurring any liability to the Applicants, in accordance with ITA Clause 26.

Signed *[insert signature(s) of an authorized representative(s) of the Applicant]*

Name *[insert full name of person signing the application]*

In the Capacity of *[insert capacity of person signing the application]*

Duly authorized to sign the application for and on

behalf of: Applicant's Name *[insert full name of*

Applicant] Address *[insert street number/town or city/country address]*

Dated on *[insert day number]* day of *[insert month]*, *[insert year]*

Form ELI -1.1

Applicant Information Form

Date: *[insert day, month, year]*

IFB No. and title: *[insert IFB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Applicant's legal name <i>[insert full legal name]</i>
In case of Joint Venture (JV), legal name of each partner: <i>[insert full legal name of each partner in JV]</i>
Applicant's Actual or Intended country of constitution: <i>[indicate country of Constitution]</i>
Applicant's actual or Intended year of constitution: <i>[indicate year of Constitution]</i>
Applicant's legal address in country of constitution: <i>[insert street/ number/ town or city/ country]</i>
Applicant's authorized representative information Name: <i>[insert full legal name]</i> Address: <i>[insert street/ number/ town or city/ country]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> E-mail address: <i>[indicate e-mail address]</i>
Attached are copies of original documents of <ul style="list-style-type: none"> <input type="checkbox"/> Articles of Incorporation or Documents of Constitution, and documents of registration of the legal entity named above, in accordance with ITA 4.2. <input type="checkbox"/> In case of JV, letter of intent to form JV or JV agreement, in accordance with ITA 4.1. <input type="checkbox"/> In case of Government owned entity, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITA 4.8.

Form ELI -1.2

Applicant's Party Information Form

[The following form shall be filled in for the Applicant's parties including partner(s) of a joint venture, subcontractors, suppliers and other parties]

Date: *[insert day, month, year]*

IFB No. and title: *[insert IFB number and title]*

Page *[insert page number]* of *[insert total number]* pages

JV applicant legal name: <i>[insert full legal name]</i>
Applicant's Party legal name: <i>[insert full legal name of Applicant's Party]</i>
Applicant's Party country of registration: <i>[indicate country of registration]</i>
Applicant Party's year of constitution: <i>[indicate year of constitution]</i>
Applicant Party's legal address in country of constitution: <i>[insert street/ number/ town or city/ country]</i>
Applicant Party's authorized representative information Name: <i>[insert full legal name]</i> Address: <i>[insert street/ number/ town or city/ country]</i> Telephone/Fax numbers: <i>[insert telephone/fax numbers, including country and city codes]</i> E-mail address: <i>[indicate e-mail address]</i>
Attached are copies of original documents of <input type="checkbox"/> Articles of Incorporation or Documents of Constitution, and Registration Documents of the legal entity named above, in accordance with ITA 4.2. <input type="checkbox"/> In case of a Government owned entity, documents establishing legal and financial autonomy and compliance with commercial law, in accordance with ITA 4.8.

Form CON – 2 Historical Contract Non-Performance

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Applicant's Legal Name: *[insert full name]*
 Date: *[insert day, month, year]*
 Joint Venture Party Legal Name: *[insert full name]*
 IFB No. and title: *[insert IFB number and title]*
 Page *[insert page number]* of *[insert total number]* pages

Non-Performing Contracts in accordance with Section III, Qualification Criteria and Requirements

- Contract non-performance did not occur during the *[number]* years specified in Section III, Qualification Criteria and Requirements, Sub-Factor 2.1.
- Contract(s) not performed during the *[number]* years specified in Section III, Qualification Criteria and Requirements, requirement 2.1

Year	Non performed portion of contract	Contract Identification	Total Contract Amount (current value, US\$ equivalent)
<i>[insert year]</i>	<i>[insert amount and percentage]</i>	Contract Identification: <i>[indicate complete contract name/ number, and any other identification]</i> Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Reason(s) for non performance: <i>[indicate main reason(s)]</i>	<i>[insert amount]</i>

Pending Litigation, in accordance with Section III, Qualification Criteria and Requirements

- No pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2.
- Pending litigation in accordance with Section III, Qualification Criteria and Requirements, Sub-Factor 2.2 as indicated below.

Year	Outcome as Percentage of Total Assets	Contract Identification	Total Contract Amount (current value, US\$ equivalent)
<i>[insert year]</i>	<i>[insert percentage]</i>	Contract Identification: [indicate complete contract name, number, and any other identification] Name of Employer: <i>[insert full name]</i> Address of Employer: <i>[insert street/city/country]</i> Matter in dispute: <i>[indicate main issues in dispute]</i>	<i>[insert amount]</i>

Form FIN – 3.1 Financial Situation

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Applicant's Legal Name: *[insert full name]*
year]

Date: *[insert day, month,*

Applicant's Party Legal Name: *[insert full name]*

IFB No. and title: *[insert IFB number and title]*

Page *[insert page number]* of *[insert total number]* pages

1. Financial data

Financial information in (US\$ equivalent in 000s)	Historic information for previous <i>_[insert number]</i> years, <i>[insert in words]</i> (US\$ equivalent in 000s)				
	Year 1	Year 2	Year 3	Year ...	Year n
Information from Balance Sheet					
Total Assets (TA)					
Total Liabilities (TL)					
Net Worth (NW)					
Current Assets (CA)					
Current Liabilities (CL)					
Information from Income Statement					
Total Revenue (TR)					
Profits Before Taxes (PBT)					

2. Financial documents

The Applicant and its parties shall provide copies of the balance sheets and/or financial statements for the last **three (03)** years pursuant Section III, Qualifications Criteria and Requirements, Sub-factor 3.1. The financial statements shall:

- (a) reflect the financial situation of the Applicant or partner to a JV, and not sister or parent companies.
 - (b) be audited by a certified accountant.
 - (c) be complete, including all notes to the financial statements.
 - (d) correspond to accounting periods already completed and audited (no statements for partial periods shall be requested or accepted).
- Attached are copies of financial statements (balance sheets, including all related notes, and income statements) for the *[number]* years required above; and complying with the requirements

Form FIN - 3.2 Average Annual Turnover

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Applicant's/Joint Venture Partner's Legal Name: *[insert full name]*

Date: *[insert day, month, year]*

Applicant's Party Legal Name: *[insert full name]*

IFB No. and title: *[insert IFB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Annual turnover data (construction only)		
Year	Amount and Currency	US\$ equivalent
<i>[indicate year]</i>	<i>[insert amount and indicate currency]</i>	<i>[insert amount in US\$ equiv.]</i>
Average Annual Construction Turnover *		

* Average annual construction turnover calculated as total certified payments received for work in progress or completed, divided by the number of years specified in Section III, Qualification Criteria and Requirements, Sub-Factor 3.2.

Form EXP - 4.1

General Construction/Geophysical Survey Experience

[The following table shall be filled in for the Applicant and for each partner of a Joint Venture]

Applicant's/Joint Venture Partner's Legal Name: *[insert full name]*

Date: *[insert day, month, year]*

Applicant JV Party Legal Name: *[insert full name]*

IFB No. and title: *[insert IFB number]*

Page *[insert page number]* of *[insert total number]* pages

[Identify contracts that demonstrate continuous construction work over the past [number] years pursuant to Section III, Qualification Criteria and Requirements, Sub-Factor 4.1. List contracts chronologically, according to their commencement (starting) dates.]

Starting Month / Year	Ending Month / Year	Contract Identification	Role of Applicant
<i>[indicate month/ year]</i>	<i>[indicate month/ year]</i>	Contract name: <i>[insert full name]</i> Brief Description of the Services performed by the Applicant: <i>[describe services performed briefly]</i> Amount of contract: <i>[insert amount in US\$ equivalent]</i> Name of Employer: <i>[indicate full name]</i> Address: <i>[indicate street/number/town or city/country]</i>	<i>[insert "Contractor" or "Subcontractor" or "Contract Manager"]</i>
		Contract name: <i>[insert full name]</i> Brief Description of the Services performed by the Applicant: <i>[describe services performed briefly]</i> Amount of contract: <i>[insert amount in US\$ equivalent]</i> Name of Employer: <i>[indicate full name]</i> Address: <i>[indicate street/number/town or city/country]</i>	<i>[insert "Contractor" or "Subcontractor" or "Contract Manager"]</i>

		<p>Contract name: <i>[insert full name]</i> Brief Description of the Services performed by the Applicant: <i>[describe services performed briefly]</i> Amount of contract: <i>[insert amount in US\$ equivalent]</i> Name of Employer: <i>[indicate full name]</i> Address: <i>[indicate street/number/town or city/country]</i></p>	<p><i>[insert "Contractor" or "Subcontractor" or "Contract Manager"]</i></p>
--	--	--	--

Form EXP - 4.2(a) Similar Geophysical Survey Experience

[The following table shall be filled in for contracts performed by the Applicant, each partner of a Joint Venture, and specialist sub contractors]

Applicant's/Joint Venture Partner's Legal Name: *[insert full name]*

Date: *[insert day, month, year]*

JV Party Name: *[insert full name]*

IFB No. and title: *[insert IFB number and title]*

Page *[insert page number]* of *[insert total number]* pages

Similar Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information		
Contract Identification	<i>[insert contract name and number, if</i>		
Award date	<i>[insert day, month, year, i. e., 15 June,</i>		
Completion date	<i>[insert day, month, year, i.e., 03 October,</i>		
Role in Contract <i>[check the appropriate box]</i>	Contractor <input type="checkbox"/>	Management Contractor <input type="checkbox"/>	Subcontractor <input type="checkbox"/>
Total Contract Amount	<i>[insert total contract amount in local currency]</i>		US\$ <i>[insert total contract amount in US\$ equivalent]</i>
If partner in a JV, or subcontractor, specify participation in total contract amount	<i>[insert a percentage amount]</i>	<i>[insert total contract amount in local currency]</i>	<i>[insert total contract amount in US\$ equivalent]</i>
Employer's Name:	<i>[insert full name]</i>		

Address:	<i>[indicate street / number / town or city / country]</i>
Telephone/fax number	<i>[insert telephone/fax numbers, including country and city area codes]</i>
E-mail:	<i>[insert telephone/fax numbers, including country and city area codes]</i>
Similar Contract No. <i>[insert number] of [insert number of similar contracts required]</i>	Information
Description of the similarity in accordance with Sub-Factor 4.2(a) of Section III:	
1. Amount	<i>[insert amount in US\$ in words and in Figures]</i>
2. Physical size	<i>[insert physical size of activities]</i>
3. Complexity	<i>[insert description of complexity]</i>
4. Methods/Technology	<i>[insert specific aspects of the methods/technology involved in the contract]</i>
5. Other Characteristics	<i>[insert other characteristics as described in Section V, Scope of Services]</i>

Section V. Eligible Countries

Eligibility for the Provision of Goods, Services and Services in Bank-Financed Procurement

1. In accordance with Para 1.8 of the Guidelines: Procurement under IBRD Loans and IDA Credits, dated May 2004, the Bank permits firms and individuals from all countries to offer goods, services and services for Bank-financed projects. As an exception, firms of a Country or goods manufactured in a Country may be excluded if:

Para 1.8 (a) (i): as a matter of law or official regulation, the Borrower's Country prohibits commercial relations with that Country, provided that the Bank is satisfied that such exclusion does not preclude effective competition for the supply of the Goods or Services required, or

Para 1.8 (a) (ii): by an Act of Compliance with a Decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations, the Borrower's Country prohibits any import of goods from that Country or any payments to persons or entities in that Country.

2. For the information of borrowers and bidders, at the present time firms, goods and services from the following countries are excluded from this bidding:

(a) With reference to paragraph 1.8 (a) (i) of the Guidelines:

None

(b) With reference to paragraph 1.8 (a) (ii) of the Guidelines:

None

PART 2 – Works Requirement

Section VI. Terms of Reference

TERMS OF REFERENCES FOR PROVISION OF AIRBORNE MAGNETICS AND AIRBORNE ELECTROMAGNETICS GEOPHYSICAL SURVEY FOR:

1. Airborne Magnetism and Airborne Electromagnetics Geophysical Survey at Kabundi Licence Area in Serenje District of Central Province of Zambia

1. Introduction

ZCCM-IH is a company incorporated under the Companies Act and is an investment holding company with significant interests in the Zambian mining and energy sectors. The Company has a rich heritage in the Zambian mining sector which spans over 100 years. ZCCM Investments Holdings Plc is an investment holding company which has most of its investments held in the copper mining sector of Zambia. ZCCM-IH's majority shareholders are the Industrial Development Corporation (IDC) with 60.3%, Government of the Republic of Zambia (GRZ) with 17.3% shareholding, National Pensions Scheme Authority (NAPSA) with 15% and other shareholders with 7.4%.

The company has a primary listing on the Lusaka Securities Exchange and secondary listings on the Paris Euronext (Euronext) and London Stock Exchanges under ISIN number ZM0000000037.

The Company currently occupies a unique and strategic position as it holds key interests across the mining industry and energy sector in Zambia.

ZCCM-IH is currently engaged in several mineral exploration projects, and it has been mandated to identify and acquire new exploration licences in addition to the already existing ones in its portfolio. With GRZ planning to achieve 3 million tonnes per annum of copper production by 2031, ZCCM-IH is positioning itself strategically through the acquisition of new exploration licences as well as through joint venture (JV) partnerships with licence holders

2. Background

ZCCM-IH has been mandated to increase its footprint in the mineral exploration industry, and to align with GRZ's plan of achieving 3 million tonnes of copper output by the year 2031. In the 2023 to 2026 company strategic plan, ZCCM-IH focus is mainly in the mining and energy sector; the aim is to expand its

participation in the mining value chain and improve on the existing portfolio in the these sectors.

ZCCM-IH has also been exploring for different minerals commodities like copper, cobalt, gold, and manganese from its wholly owned licences located in various parts of the country.

ZCCM-IH holds a large-scale exploration licence in Serenje district of Central province. The licence area covers an area of 358.31 square kilometres and lies to the northwest of Serenje town.

Access to the licence area is via an all-weather gravel road off the T2 tarred road that goes to Nakonde or via an all-weather gravel road from the Serenje CBD that runs up to the Kabundi area.

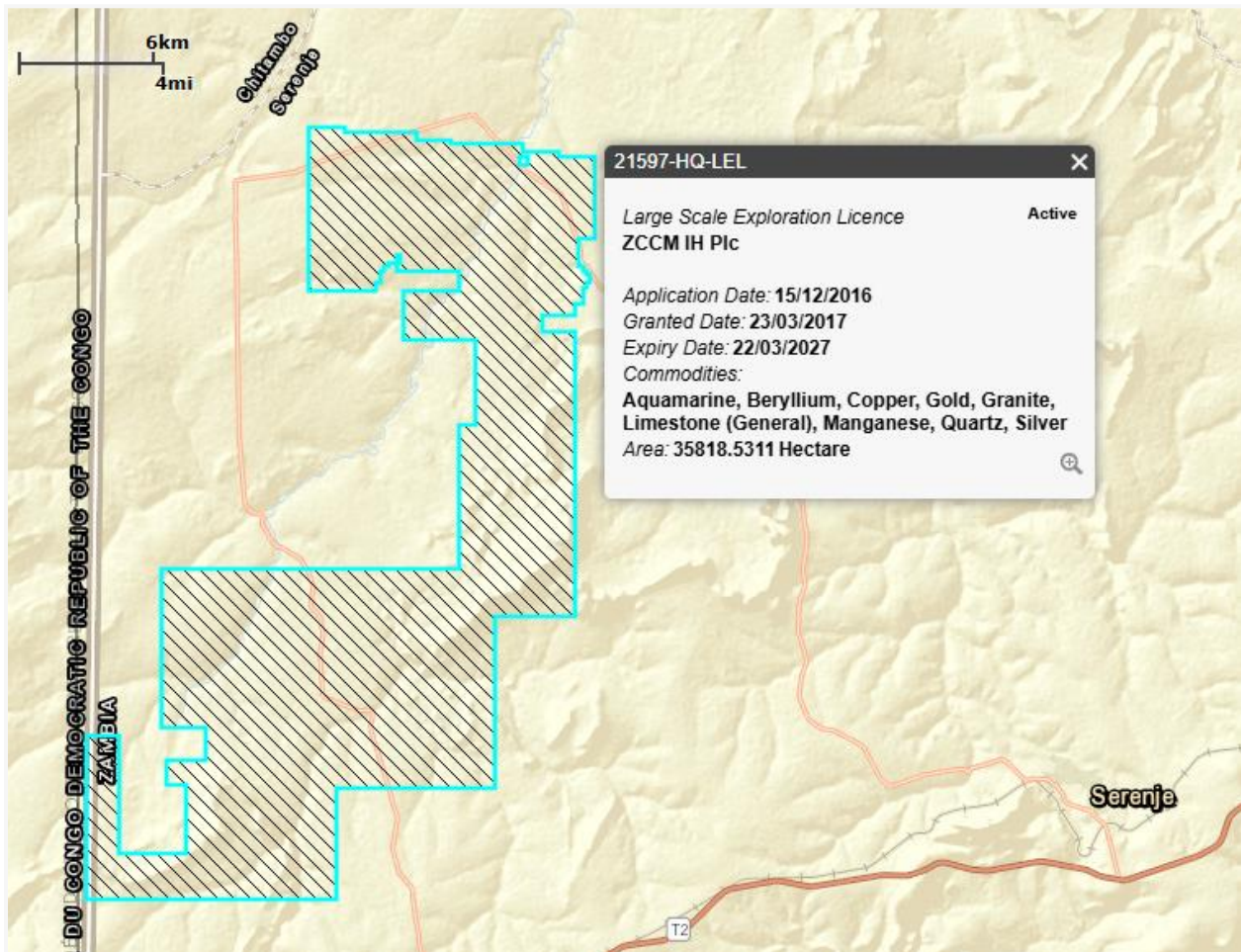


Figure 1: Locality map for licence No. 21597-HQ-LEL

3. Overall Objectives

Some of the early-stage exploration works which need to be undertaken in the exploration licence include soil geochemical sampling and ground geophysical survey.

In early-stage mineral exploration works, ground geophysics is cardinal in generating exploration targets within the larger exploration licence, this can only be achieved by undertaking well planned systematic survey in the area of interest. Aerial-based surveys aids in the deciphering of geological information at depth particularly in relation to structures which may have controls to the mineralisation being sought.

ZCCM-IH through its technical directorate wishes to engage the services of a geophysics consulting company with reputable experience in executing airborne geophysics survey works on both greenfield and brownfield exploration projects.

The objective of the works is to conduct aerial-based surveys to delineate and identify areas with subsurface geological structures and features which may have direct/indirect controls to manganese/or copper mineralisation in the area. The obtained subsurface geophysical data will then be interpreted and used to generate drill targets.

4. Scope of Work

ZCCM-IH wishes to undertake geophysics survey in selected areas within licence No. 21597-HQ-LEL, through the engagement of a geophysics consulting company. The geophysics contractor shall be required to carry out the airborne surveys using suitable equipment, which among them should include a magnetometer and gravity meter. The following are the geophysical methods required:

- 1) Airborne magnetics ; and
- 2) Electromagnetics survey;

During the field data collection, the contractor will be expected to ensure that all the collected data is **clean and devoid of noise**. After the field survey contractor shall be required to process all the collected geophysical data for each respective survey method i.e., magnetics and electromagnetics and later interpret the findings of the surveys to the possible geological structures, geology and contrasts that may be observed in the data.

As the part of the bidding process, the Contractor shall be expected to undertake a mandatory field site visit with a representative from ZCCM-IH, to ensure they have full appreciation on the prevailing ground conditions within the licence. This will also enable the contractor to have an appreciation of the local geology as well as an understanding of what is expected with regards to field data acquisition and the possible geophysical contrasts that may exist within the units that underlie the survey area.

5. Experience and Qualification

The geophysical survey firm is expected to have previously worked on at least six (06) projects with similar scope and size for both the magnetics and the electromagnetics method.

The geophysics survey team must at the minimum comprise the staff indicated in the table below. The team leader must be a qualified and experienced geophysicist with sound management and geophysical data acquisition, processing and interpretational skills.

Table 1: Required Composition of the Survey Team

Expert.	Core responsibilities.
Geophysicist	Plan and supervise geophysics survey exercise. Undertake geophysical data modelling and Interpretations.
Pilot	Flight experience in airborne geophysics data acquisition
Geophysicist Technician (x2) - optional	Field assistants during the data acquisition in the field

The key personnel should comprise of individuals with the following qualifications and experience highlighted in the table below;

Table 2: Educational Qualifications of Key Personnel

Key Personnel	Qualification & Experience
Geophysicist	Bachelor's and/or Master's Degree in Mineral Exploration Geophysics & 10 years. Should have executed a minimum of three (3) projects of similar scope and size.
Pilot	Pilots licence and field experience in airborne geophysics data acquisition. Should have executed a minimum of three (3) projects of similar scope and size.
Technicians (optional)	Certificate & 5 years

6. Costing

The overall duration to submit the project cost proposal is two (2) weeks. The contractor is requested to break the costs into the following:

- 1) Mobilization/demobilization;
- 2) Field survey for airborne magnetics and electromagnetics;
- 3) General and Admin charges (optional)
- 4) Standby - Fixed charge (optional)
- 5) Data processing and presentation
- 6) Interpretation (preferably by independent expert); and
- 7) Report/s for the covered areas.

7. Contractors Obligations

The Contractor shall be responsible for providing:

- I. Facilitate the mobilization and demobilisation of the aircraft/helicopter to be used in the field surveys

- II. Obtain all the necessary airspace permit and other permits required for the airborne surveys
- III. Make all the necessary arrangements for the take-off and landing space during the survey
- IV. Own fuel and consumables during the field survey
- V. Own accommodation during the field data collection or any other requirements during the field works
- VI. Own stationary for the printing of reports and other relevant paper work
- VII. Security and insurance of the aircraft/chopper and equipment during the entire duration of the contract
- VIII. PPE to their staff at all times during the execution of all field works

8. Obligations of ZCCM-IH,

The company commits that it shall:

- i. Provide a Project Manager to monitor the geophysics works
- ii. Receive, review, and give guidance on all reports submitted by the contractor
- iii. Provide required in-house geological data if available
- iv. Liaise with the local traditional leadership and local authorities

9. Contract Deliverables and Schedule

The contractor will be required to prepare and submit the following list of deliverables to ZCCM-IH through the Project Manager:

1. Weekly and monthly update reports for each survey method during the field survey works. The report should include a brief section on the reliability/cleanliness of the collected geophysical data for the week/month, clearly stating measures that have been put in place to ensure clean data collection during the survey.
2. Complete set of raw data for each survey method, this will be submitted after the completion of the field survey works
3. Processing of all the collected data into 2D (or 3D) geophysical maps for each respective method, this will be conducted during and after the completion of the field survey works
4. Interpretation of all the generated geophysical images for each method during and after the completion of the field survey works

5. Any other information relating to the works that may be requested by the Project Manager during and after the works

The Contractor is also expected to deliver the following reports after the satisfactory completion of the works:

Three (3) hard copy survey reports for each respective geophysical survey method employed including all the interpretations for all the areas covered;

A digital copy of the full geophysical survey report for each area of interest and each respective method employed.

In the event that the "Contractor" does not execute geophysics works in a satisfactory manner, ZCCM-IH reserves the right withhold all the payments and demand that the works be redone, until all the works are executed as outlined in the deliverables.

The contractor should consider the works as of utmost importance the speedy and timely completion of this assignment. The reports and invoices shall be submitted in hard and soft copies in suitable formats to the Chief Technical Officer or his designate to the following address:

The Chief Technical Officer
ZCCM Investments Holdings
Mawe Complex
Plot 27 of Farm 1937, Maina Soko Road
P.O Box 260497
Kalulushi
Tel: +260 211 388 000

Soft copies of the reports should be emailed to: kapalakasha.mulenga@zccm-ih.com.zm and copied to chaambwa.simweemba@zccm-ih.com.zm.

Duration for the completion of all the works including the final report shall not exceed **12 weeks**. Extensions will not be accepted as this is a time sensitive project.

2. Provision of Airborne Geophysics Survey Services, Covering Licence No. 41144, 41141, 41145, 41078, 41079, 42915-HQ-LEL Located in In Northwestern Province ZAMBIA

1. Introduction

ZCCM-IH is a company incorporated under the Companies Act and is an investment holding company with significant interests in the Zambian mining and energy sectors. The Company has a rich heritage in the Zambian mining sector which spans over 100 years. ZCCM Investments Holdings Plc is an investment holding company which has most of its investments held in the copper mining sector of Zambia. ZCCM-IH's majority shareholders are the Industrial Development Corporation (IDC) with 60.3%, Government of the Republic of Zambia (GRZ) with 17.3% shareholding, National Pensions Scheme Authority (NAPSA) with 15% and other shareholders with 7.4%.

The company has a primary listing on the Lusaka Securities Exchange and secondary listings on the Paris Euronext (Euronext) and London Stock Exchanges under ISIN number ZM0000000037.

The Company currently occupies a unique and strategic position as it holds key interests across the mining industry and energy sector in Zambia.

ZCCM-IH is currently engaged in several mineral exploration projects, and it has been mandated to identify and acquire new exploration licences in addition to the already existing ones in its portfolio. With GRZ planning to achieve 3 million tonnes per annum of copper production by 2031, ZCCM-IH is positioning itself strategically through the acquisition of new exploration licences as well as through joint venture (JV) partnerships with licence holders

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ZCCM-IH has also been exploring for different minerals commodities like copper, cobalt, gold, and manganese from its wholly owned licences located in various parts of the country.

ZCCM-IH holds a large-scale exploration licence in Northwestern province. The licence areas cover a total area of 340.5 square kilometres, and the licenses are located in 3 districts , Muchidamo, Mwinilunga and Kasempa.

The table below summarizes the location of the licences, size and access

License Details			
License	District	Size (Km Square)	Location
41078/ 41145	Mushindamo	81.4	110km Northeast of Solwezi Town
42915		52.3	100 km Northeast of Solwezi Town
41079	Kasempa	98.5	40km South-west of Kasempa Town
41141		18.1	100km South-east of Kasempa Town
41144	Mwinilunga /Ikelenge	90.2	54km Northwest of Mwinilunga town
All Licenses		340.5	

Table: Locality for licence Areas

3. Overall Objectives

The newly acquired exploration licence is at an early stage of evaluation and requires systematic, cost-effective techniques to rapidly screen the licence area and prioritise targets for follow-up work. Early-stage exploration activities typically include soil geochemical sampling and ground-based geophysical surveys; however, over large licence areas these methods are best guided by regional-scale datasets.

Airborne geophysical surveys provide an efficient means of acquiring high-resolution subsurface information over large areas and are particularly effective in mapping lithological variations, structural architecture, and alteration patterns at depth. Such datasets are critical for identifying major faults, shear zones, lithological contacts, and other structural features that may exert direct or indirect controls on manganese and/or copper mineralisation.

In this regard, ZCCM-IH, through its Technical Directorate, intends to engage a suitably qualified and reputable geophysical consulting company with proven experience in the execution of airborne geophysical surveys on both greenfield and brownfield exploration projects.

The overall objective of the proposed airborne geophysical survey is to acquire, process, and interpret high-quality geophysical data that will enable the

delineation of subsurface geological structures and features within the licence area. The interpreted results will be integrated with existing geological and geochemical information to refine the geological model, prioritise prospective zones, and generate robust, defensible drill targets to guide subsequent phases of ground geophysics, geochemical sampling, and drilling.

4. Scope of Work

ZCCM-IH intends to undertake an airborne geophysical survey on its newly acquired licenses through the engagement of a suitably qualified and experienced geophysical consulting contractor. The scope of work is designed to acquire high-quality resolution regional geophysical data to support early-stage exploration targeting and geological interpretation.

4.1 Geophysical Survey Methods

The Contractor shall plan, execute, process, and interpret the following airborne geophysical survey methods:

1. Airborne Magnetic Survey
2. Airborne Electromagnetic (AEM) Survey

The airborne surveys shall be conducted using industry-standard, well-maintained, and appropriately calibrated instrumentation, including but not limited to high-sensitivity magnetometers and suitable electromagnetic systems capable of achieving the required depth of investigation and spatial resolution for mineral exploration purposes.

4.2 Survey Design and Data Acquisition

The Contractor shall:

- Design the survey parameters (including line spacing, flight altitude, orientation, and tie-line configuration) in consultation with ZCCM-IH and in accordance with international best practice for airborne geophysical surveys.
- Conduct all survey operations in compliance with applicable aviation regulations, health and safety standards, and environmental requirements.
- Ensure that all field data are acquired to a high technical standard, are internally consistent, and meet accepted quality control and quality assurance (QA/QC) criteria.

- Implement real-time and post-acquisition data quality checks to identify and mitigate noise, cultural interference, and other sources of data contamination.

4.3 Data Processing

Upon completion of field data acquisition, the Contractor shall:

- Process all acquired magnetic and electromagnetic datasets using industry-standard software and workflows.
- Apply appropriate corrections, including but not limited to diurnal corrections, heading corrections, lag corrections, leveling, micro-leveling, and noise filtering, as applicable to each survey method.
- Document all processing steps, parameters, and assumptions in a transparent and reproducible manner suitable for audit and future reference.

4.4 Data Interpretation and Deliverables

The Contractor shall interpret the processed geophysical data to:

- Identify and delineate subsurface geological features, including lithological boundaries, structural trends, faults, shear zones, conductive and resistive anomalies, and other geophysical responses of exploration significance.
- Assess potential geological and structural controls on manganese and/or copper mineralisation within the survey area.
- Integrate the geophysical interpretation with available geological and geochemical information provided by ZCCM-IH.

Interpretation outputs shall include maps, sections, and digital datasets suitable for direct integration into ZCCM-IH's GIS and geological modelling workflows and shall support the generation and prioritisation of exploration targets for follow-up ground geophysics, geochemical sampling, and drilling.

4.5 Site Visit and Familiarisation

As part of the bidding process, the Contractor shall undertake a site visit use of detailed maps of the project area with agreed coordinate system presented by a representative of ZCCM-IH. The purpose of the site visit or detailed map review is to:

- Familiarise the Contractor with the physical, logistical, and environmental conditions of the survey area.
- Gain an understanding of the local geological setting and anticipated geophysical responses.
- Enable the Contractor to refine survey planning, logistics, and risk management measures prior to mobilisation and permitting

4.6 Reporting and Data Ownership

The Contractor shall submit a comprehensive final report detailing:

- Survey design and execution
- QA/QC procedures and results
- Data processing methodologies
- Interpretation results and exploration implications
- Recommendations for follow-up work

All raw data, processed datasets, interpretations, and reports generated under this scope of work shall remain the property of ZCCM-IH.

5. Experience and Qualification

The geophysical survey firm is expected to have previously worked on at least six (06) projects with similar scope and size for both the magnetics and the electromagnetics method.

The geophysics survey team must at the minimum comprise the staff indicated in the table below. The team leader must be a qualified and experienced geophysicist with sound management and geophysical data acquisition, processing and interpretational skills.

Table 1: Required Composition of the Survey Team

Expert.	Core responsibilities.
Geophysicist	Plan and supervise geophysics survey exercise. Undertake geophysical data modelling and Interpretations.
Pilot	Flight experience in airborne geophysics data acquisition
Geophysicist Technician (x2) - optional	Field assistants during the data acquisition in the field

The key personnel should comprise of individuals with the following qualifications and experience highlighted in the table below;

Table 2: Educational Qualifications of Key Personnel

Key Personnel	Qualification & Experience
Geophysicist	Bachelors and/or Master's Degree in Mineral Exploration Geophysics & 10 years. Should have executed a minimum of three (3) projects of similar scope and size.
Pilot	Pilots licence and field experience in airborne geophysics data acquisition. Should have executed a minimum of three (3) projects of similar scope and size.
Technicians (optional)	Certificate & 5 years

6. Costing

The overall duration to submit the project cost proposal is two (2) weeks. The contractor is requested to break the costs into the following:

- 8) Mobilization/demobilization
- 9) Field survey for airborne magnetics and electromagnetics.
- 10) General and Admin charges (optional)

- 11) Standby - Fixed charge (optional)
- 12) Data processing and presentation
- 13) Interpretation (preferably by independent expert); and
- 14) Report/s for the covered license areas.

7. Contractors Obligations

The Contractor shall be responsible for providing:

- IX. Facilitate the mobilization and demobilization of the aircraft/helicopter to be used in the field surveys
- X. Obtain all the necessary airspace permit and other permits required for the airborne surveys
- XI. Make all the necessary arrangements for the take-off and landing space during the survey
- XII. Own fuel and consumables during the field survey
- XIII. Own accommodation during the field data collection or any other requirements during the field works
- XIV. Own stationary for the printing of reports and other relevant paper work
- XV. Security and insurance of the aircraft/chopper and equipment during the entire duration of the contract
- XVI. PPE to their staff at all times during the execution of all field works

8. Obligations of ZCCM-IH,

The company commits that it shall:

- v. Provide a Project Manager to monitor the geophysics works
- vi. Receive, review, and give guidance on all reports submitted by the contractor
- vii. Provide required in-house geological data if available
- viii. Liaise with the local traditional leadership and local authorities

9. Contract Deliverables and Schedule

The contractor will be required to prepare and submit the following list of deliverables to ZCCM-IH through the Project Manager:

2. Weekly and monthly update reports for each survey method during the field survey works. The report should include a brief section on the reliability/cleanliness of the collected geophysical data for the week/month, clearly stating measures that have been put in place to ensure clean data collection during the survey.
3. Complete set of raw data for each survey method, this will be submitted after the completion of the field survey works
4. Processing of all the collected data into 2D (or 3D) geophysical maps for each respective method, this will be conducted during and after the completion of the field survey works
5. Interpretation of all the generated geophysical images for each method during and after the completion of the field survey works
6. Any other information relating to the works that may be requested by the Project Manager during and after the works

The Contractor is also expected to deliver the following reports after the satisfactory completion of the works:

Three (3) hard copy survey reports for each respective geophysical survey method employed including all the interpretations for all the areas covered.

A digital copy of the full geophysical survey report for each area of interest and each respective method employed.

In the event that the "Contractor" does not execute geophysics works in a satisfactory manner, ZCCM-IH reserves the right withhold all the payments and demand that the works be redone, until all the works are executed as outlined in the deliverables.

The contractor should consider the works as of utmost importance the speedy and timely completion of this assignment. The reports and invoices shall be submitted in hard and soft copies in suitable formats to the Chief Technical Officer or his designate to the following address:

The Chief Technical Officer
ZCCM Investments Holdings
Mawe Complex
Plot 27 of Farm 1937, Maina Soko Road
P.O Box 260497
Kalulushi
Tel: +260 211 388 000

Soft copies of the reports should be emailed to: duncan.sikazwe@zccm-ih.com.zm and copied to paul.mukuka@zccm-ih.com.zm; gwen.nachande@zccm-ih.com.zm

Duration for the completion of all the works including the final report shall not exceed **14 weeks**. Extensions will not be accepted as this is a time sensitive project.