

**TIMMINS ECONOMIC DEVELOPMENT CORPORATION**

**REQUEST FOR PROPOSAL**

**ON**

**“CASE STUDY OF MMI AND TRACE ELEMENT GEOCHEMISTRY TO  
DISCOVER BLIND COBALT STYLE 5-ELEMENT VEIN SYSTEMS”**

**IN THE**

**COBALT GOWGANDA AREAS, NORTHERN ONTARIO**

**FOR**

**DISCOVER ABITIBI INITIATIVE**

**A project of innovation, cooperation and revitalization in the Abitibi region  
Northern Ontario**



## Preliminary Notes

- The contract for the Case Study MMI will be with the Timmins Economic Development Corporation (TEDC) and will be directed by personnel from the Discover Abitibi Initiative.
- The contract shall be governed by the all laws covering contracts in Ontario and shall comply with all federal, provincial and municipal laws and By-Laws
- The contractor shall provide a Workplace Safety and Insurance clearance certificate before the final awarding of the contract.
- The personnel employed in the completion of this contract shall be members or equivalents of the Association of Geoscientists of Ontario (APGO)
- The RFP for the project is located on the Discover Abitibi Initiative website and the contractor must demonstrate their understanding of the size and requirement of the RFP
- Correspondence can be directed to the project manager as follows:

**Robert Calhoun, P.Geo.**  
**Project Manager**  
**Discover Abitibi Initiative**  
**12 Elm Street, North**  
**Timmins, Ontario P4N 6A1**  
**Tel 705-360-2600 ext 7085, Fax 705-360-2679**  
**Email: [rcalhoun@timmins.ca](mailto:rcalhoun@timmins.ca)**  
**Website: [www.discoverabitibi.com](http://www.discoverabitibi.com)**

- **The proposals shall be directed to Robert Calhoun and consist of three bound copies and one cd containing the complete proposal in Microsoft word format. Figures should be in universally readable format.**
- **Proposals are due by 4:00pm, December 10, 2010**

## Special Note

**The awarding of the final contract shall be at the sole discretion of the Timmins Economic Development Corporation and the Discover Abitibi Initiative management committee. The TEDC reserves the right to reject any or all proposals or to accept any proposal should it be deemed in the interest of the Corporation to do so and, in particular, if only one proposal is received, the Corporation reserves the right to reject it or any proposal.**

## REQUEST FOR PROPOSAL - RFP

The Timmins Economic Development Corporation, known here after as “**TEDC**”, is requesting proposals for a “CASE STUDY OF MMI AND TRACE ELEMENT GEOCHEMISTRY TO DISCOVER BLIND COBALT STYLE 5-ELEMENT VEIN SYSTEMS”

### 1/ INTRODUCTION

Specifications relating to: the Technical Proposal; Personnel; Deliverables; Budget; Quality Assurance/Quality Controls, Economic Benefits, Time Frame; Project Management; Data Management; Intellectual Property; etc. are outlined below.

**Bidders** shall prepare a proposal **addressing all requirements of this RFP**

The proposal should be concise. Each proposal will be evaluated solely on its own content. The restatement of the technical requirements with a statement to the effect of – “Intent to perform” will not be satisfactory. Specific details of “where, what, how and why” must be provided to ensure a clear indication of the **Bidder**’s understanding of the tasks involved and of their ability to carry them out. Any costs in preparing the RFP are solely at the **Bidder**’s expense

### 2/ DETAILS OF THE TECHNICAL PROPOSAL

A two phased approach would be used. Phase 1 would involve detailed wallrock sampling adjacent to and outward from known past productive silver veins on surface (and potentially unmined yet known veins underground) to determine a geochemical signature. This would be followed by running test lines of MMI soil sampling over the diabase complex which housed the past producing mines of the Gowganda silver camp (over 60 million ounces of silver produced). Phase 2 would involve two steps, the first detailed geochemical sampling of other diabase complexes to compare with the Gowganda Nipissing diabase and the second step being running test MMI lines over Nipissing diabase complexes throughout the region that have similar geochemical characteristics. Cobalt and Gowganda collectively produced over 500 million ounces of silver from the 5 Element (Cu-Ni-Bi-As-Co) Vein Systems and past and potential future economic benefits are self explanatory. The immediate exploration benefits of this proposal is that if a geochemical signature of the vein systems can be established, then

this type of exploration can be applied over all the Proterozoic (Sudbury - Temagami - Cobalt - Elk Lake - Matachewan - Gowganda) to not only attract exploration expenditures but to ultimately aid in the discovery of new mining "Camps". An intangible benefit is the recognition of the potential for large tonnage bulk mineable style deposits (unconformity uranium-gold deposits, Olympic Dam type deposits) associated with the unconformity.

## **2.1 Project Scope**

The purpose of the proposal is to determine if the MMI analytical methods used in soil sampling can be used in conjunction with detailed lithogeochemical sampling over known silver veins (with associated Cu-Ni-Bi-As-Co signatures) and their Nipissing diabase hosts in the Gowganda-Cobalt area to detect mineralization below the overburden cover and at depth. If the detailed lithogeochemical sampling can determine a geochemical signature for the host rock diabase containing the veins, it can then be used to focus in on a potential diabase complex. The MMI sampling can then be used to explore the area more extensively, at a reasonable cost. Mineralization styles that the MMI soil sampling could possibly detect, in addition to the Cobalt style 5 element vein systems, would be large blind deposits associated with the Proterozoic-Archean unconformity such as unconformity U-Au type deposits and Olympic Dam style deposits. A multi-element geochemical package would be used for analyses. These results from the lithogeochemical sampling and the MMI surveys would be used in conjunction with existing geophysics already performed, to see if they can aid in pinpointing more specific economic targets. This would demonstrate if MMI soil sampling, used in conjunction with lithogeochemical sampling, can be used to explore over the Cobalt embayment, both for its known style of mineralization, the Ag and five element vein deposits, and for new types of deposits which are believed exists at the unconformity contact with the Archean. The project will involve a fieldwork component with laboratory studies being those necessary to support/confirm the field data.

The project could require the involvement of highly qualified professionals who will carry out the fieldwork. These individuals should have particular expertise in various areas of specialization:

- Stratigraphy
- Structure
- Volcanology
- Litho geochemistry
- Felsic, mafic and ultramafic igneous rocks
- Alteration
- Metamorphism
- Geochronology
- Integrating geophysical data

If graduate students are involved, then a high ratio of field and laboratory supervision by the Principal Investigators will have to be guaranteed.

The proposal should provide details of the specific locations of the field study areas and will explain why these have been chosen and what, how and why specific data will be generated at each location.

## **2.2 Generation of refined deposit models and specific exploration guidelines**

The generation of new precious metal exploration targets is the **key goal** of this project hence the proposal will explain how the field/laboratory studies will aid in the targeting and discovery of new deposits.

## **3/ DATA MANAGEMENT, INTEGRATION, ARCHIVING**

The proposal will provide specific details on how:

### **3.1 Existing data will be incorporated into the project.**

Within the Abitibi there already exists a data set with regard to: rock types, structure, alteration, geochronology, isotopes, litho geochemistry, geophysics, etc. How will this data (i) be screened for “Quality”; (ii) how will it be captured, organized and incorporated into the project in order to produce equal and

complete coverage throughout the Abitibi, and (iii) how will it be used as the basis of a “gap analysis” to highlight where/what critical data is currently missing in the Project area?

- 3.2 New data, originating from the project, will be “seamlessly” added to the “existing” data?
- 3.3 How the many different data sets produced by the various methodologies involved, and obtained at a wide variety of scales throughout the entire Abitibi will be integrated into maps and reports?
- 3.4 How all the data sets will be “archived” but also will be available and easy to access and use in any subsequent project

#### **4/ QUALITY ASSURANCE / QUALITY CONTROL (QA / QC)**

The proposal will provide specific details on how QA/QC will be achieved for the various technical components:

- 4.1 in the field
- 4.2 in the laboratory
- 4.3 by subcontractors
- 4.4 in reports and datasets
- 4.5 in the archived material
- 4.6 against the project timetable

#### **5/ DELIVERABLES**

The proposal will provide specific details of the form, scales, content, and timing of the deliverables in relation to the scope of work described in Section 2, the Technical Proposal. A clear distinction should be made between factual (reproducible) data sets and interpretation data sets.

An important aspect of the proposed work is to generate local, Abitibi-based follow-up. Hence “workshops” in the Abitibi area to initiate a “hands on” delivery of the new results/new interpretations to Timmins/Kirkland Lake explorationists should be considered as a component of the deliverables.

The deliverables shall include but are not restricted to the following table:

- Overall Project deliverables
- Quarterly progress reports (Project Coordinator)
- Summary of Field work reports (Project coordinator & PIs)
- Final map(s) in OGS P map format & report in OGS Open File format (Project coordinator & PIs). Details of completion available upon request.

## 6/ INTELLECTUAL PROPERTY

The “Intellectual Property” resulting from the proposal belongs to *TEDC*; however, the ability of the *Bidder* to publish, give presentations etc. will not unreasonably be withheld by *TEDC* but prior to publishing/presentations the *Bidders* first must have written authorization from the *TEDC*.

## 7/ INFORMATION ON THE *BIDDERS*: Personnel/Staffing:

Details of the Project coordinator; address, phone, fax, email

Details of Principal Investigators: with addresses, phone, fax, email

Resumes should be provided giving full names; citizenship; education and/or professional qualifications with years and granting institution; languages spoken; employment record, including employers, years and places of employment, type of work performed; and the extent of previous experience relevant to the function to be delegated in this project.

Management, relationship between the above Individuals

An organization chart for this project (with names and functions) should be provided showing the reporting responsibilities of the personnel involved.

Information should be provided on **Project Experience, Current Work load, Capacity to undertake this Project**

Information should be provided on the relationship of the *Bidders* to any other analogous projects that they are currently involved with:

- Similar projects recently undertaken, Either in the Ontario Abitibi, or, on parallel topics elsewhere, but occurring in the same time frame as this proposal; including location, size, budget, date, client, contact name and telephone number.

- Capacity, particularly in terms of current workload, flexibility in term of being able to cope with workload variations, any overlapping capabilities of personnel should be discussed.

The **Bidder** certifies that all statements made with regard to the education and the experience of the individuals proposed to participate in and complete this project is accurate and factual. **TEDC** reserves the right to verify any information provided in this regard and that untrue statements may result in the proposal being declared non compliant.

Should verification by **TEDC** disclose untrue statements, **TEDC** shall have the right to treat any contract resulting from this Bid as being in default and terminate it accordingly.

## **8/ SUBCONTRACTORS**

If the **Bidders** propose to sub-contract any of the work within the bid (e.g. High Precision Geochronology, Multi element analyses of Litho geochemistry samples, etc.) then the division of work and delineation of responsibilities must be described in detail. The **Bidders** shall act as the prime contactor and shall negotiate, sign all contracts and take full responsibility for the project. For all sub-contracts, an acknowledgement letter from the sub-contractor, with details of the proposed arrangement, must accompany the proposal.

The **Bidders** should explain their relationship to subcontractors, if any are going to be involved in the project:

If subcontractors are to be used in the Project **full details** of their expertise, experience, capabilities to carry out the delegated work must be provided.

If the **Bidder** has proposed a person (or persons) to fulfill any portion of this project who is not a Principal Investigator, or who is not directly supervised by a Principal Investigator the **Bidders** should provide written permission from such person (persons) (i.e. a Subcontractor) to provide the services designated in relation to the work to be performed in fulfillment of this project.

## **9/ TIME FRAME / TIME TABLE**

The proposal will provide specific details of how the project will be organized in relationship to the total proposed time frame and will also provide a detailed timetable for

each technical component, and also a detailed timetable for project completion, report writing and the presentation of the final deliverables. **The project fieldwork and report writing should be complete by December 31, 2011 to allow publication by the OGS publication Branch by March 31, 2012.**

## **10/ ESTIMATED COSTS**

The proposal will provide specific details of the costs to carry out the Technical Proposal described in Section 2.

**10.1** The Estimated Costs will provide full details by Technical component, e.g. Personnel, Salaries, travel/room/board; number of lithogeochemical analyses; number of high precision geochronology determinations, etc.

**10.2** The proposal will also provide an indication of the flow of funds required for the project, **through time**, in order to establish the basis of “cash calls” from *TEDC* and payment schedule should be included.

These costs must be the “**Total All Inclusive Project Costs** (excluding GST). The *Bidder* must bear in mind that **no payments other than the Total All Inclusive Project Costs** will be made to the *Bidder* by the *TEDC*.

**10.3** *TEDC* will withhold 10% of the total final approved budget until full and complete delivery of all data, reports, maps etc. in an acceptable format is complete.

## **11/ PROJECT MANAGEMENT**

The proposal will indicate the reporting relationship between the Project Team and the *TEDC*, the Project Manager of Discover Abitibi, and/or the Technical Steering Committee of Discover Abitibi.

The proposal will provide specific details on how coordination between the Principal Investigators, any graduate students and any subcontractors will be achieved.

The proposal will contain details of how the projects’ progress will be monitored, with specific milestones and performance measures being outlined.

### **13/ RESPONSIBILITIES OF THE *BIDDER***

The HSE, insurance, Workmen's Compensation aspects of all field operations are the responsibility of the *Bidder*, as is egress to any land where the *Bidder* will require the express written permission of both the surface and mineral rights holders.

The bidder must provide a statement of insurance coverage, saving harmless TEDC from any event held to be in the Contractor's area of responsibility during the period of any contract developing out of a bid made by the contractor. The successful consultant will submit proof of liability insurance coverage of a minimum of \$2,000,000.00 (job specific coverage).

All contractual arrangements for lease of vehicles, instruments, use of laboratories, etc. are the responsibility of the *Bidder*.

### **14/ LEGAL ENTITY AND CORPORATE NAME**

The *Bidder* should provide a statement as to whether it is a sole proprietorship, partnership or corporate entity, indicating the laws under which the partnership or corporate entity was registered or formed, together with the registered or corporate name. Also, the *Bidder* should provide a statement identifying the country where the controlling interest/ownership (name if applicable) of its organization is located.

### **15/ INSURANCE**

The bidder must provide a statement of insurance coverage, saving harmless TEDC from any event held to be in the Contractor's area of responsibility during the period of any contract developing out of a bid made by the contractor.

The successful consultant will submit proof of liability insurance coverage of a minimum of \$2,000,000.00 (job specific coverage) and that the firm is in good standing with the W.S.I.B;

## 16/ MISCELLANEOUS ELEMENTS

A complete copy of the proposal should be delivered to the project at the following location:

**Robert Calhoun, Project Manager**

**12 Elm Street North**

**Timmins, Ontario P4N 6A1**

A full description should be provided of any omissions or deviations from the requirements set forth in this RFP. Any additional elements should be clearly outlined and cost estimates presented separately so that the subcommittee may consider the value added and distinguishes such elements from the required elements of the RFP. The effect of any omission on the total cost shall also be included. If there are no omissions or deviations from this RFP, the respondent shall state the following: “This proposal contains no omissions or deviations from the RFP.”

No payment will be made to a consultant for the preparation and submission of a proposal.

The lowest or any tender will not necessarily be accepted.

A detailed outline of the firm’s per diem rates and a breakdown of subcontractor rates.

All prices must be quoted in Canadian dollars, to include all applicable taxes.

Conditional bids will not be accepted.

Adjustments to the proposal by telephone, fax, telegram, e-mail will not be accepted.

The person signing on behalf of the organization submitting a proposal must initial erasures, overwriting or strikeouts.

Proposal submissions constitute a firm offer and if successful will constitute part of the agreement.

The consultant must have a clause in their proposal that indicates that prices are open for ninety (90) days from the proposal closing date

All consultants shall comply with all the legislation and regulations, which may be applicable to completing this proposal.

All proposals must be complete, legible and signed in ink by an authorized official. Should a consultant find discrepancies or omissions from the RFP prior to the closing date, the Project Manager is to be contacted as soon as possible in order that a written instruction or an addendum can be issued.

Any proposals received after the above referenced deadline or received by facsimile or by email will not be considered for this project and will be returned to the consultant unopened.

The Project Management Team will review qualifying proposals. The preferred candidate for this project will then be recommended to the TEDC Board for engagement of services. A formal contract will then be entered into between the TEDC and the successful firm as per the Request for Proposal to the satisfaction of the TEDC and executed as required.

The TEDC reserves the right to ultimately select, in its own best judgment, which firm it deems most qualified to undertake this project. The TEDC may select any proposal or reject all proposals and is not bound to accept the proposal with the lowest price.

**In addition, firms are advised that the awarding of any contract relating to this project is contingent upon confirmation of partnership funding in support of this project.**

**Consultants wishing to respond to the RFP must register by e-mail no later than December 3, 2010. A brief e-mail confirming your intentions to submit a response and a key contact should be identified. We require complete mailing address, telephone and e-mail address. Questions regarding the project will be answered via e-mail and sent to all firms.**

**Please register with:** Mr. Robert Calhoun  
Project Manager  
Timmins Economic Development Corporation  
12 Elm Street North  
Timmins, ON  
P4N 6A1

Tel: 705-360-2600 ext 7085  
Fax: 705-360-2679  
E-mail: rcalhoun@timmins