

REQUEST FOR INFORMATION

To: ALL SUPPLIERS

CTBTO Ref. No.: 2024-0114/APYLOV
(PLEASE QUOTE ON ALL COMMUNICATIONS)

Tel. No.: +43 (1) 26030-6350
E-mail: procurement@ctbto.org



Date: 03 Jul 24

Subject: REQUEST FOR INFORMATION (RFI) FOR HOUSING INFRASTRUCTURE FOR RN62
CAPE TOWN, SOUTH AFRICA

Deadline for Submission: 17 Jul 24

Vienna Local Time: 17:00

The Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (hereinafter referred to as the 'Commission') hereby invites you to submit the information requested in the attached documents.

You are kindly requested to complete and return the attached acknowledgement form by email as soon as possible.

If you have any questions please contact the email address indicated above.

Yours Sincerely,



Sally Alvarez De Schriener
Chief, Procurement Services Section

ACKNOWLEDGEMENT FORM

RFI No: 2024-0114/APYLOV Title: REQUEST FOR INFORMATION (RFI) HOUSING INFRASTRUCTURE FOR RN62, CAPE TOWN, SOUTH AFRICA	Closing Date: 17 Jul 24 Vienna Local Time: 17:00
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Procurement Staff: Bugubai Apylov

CTBTO Req. No.: 0010019901

Please complete 'A' or 'B' or 'C'
and Return

WITHIN FIVE (5) DAYS

THE PREPARATORY COMMISSION FOR THE
COMPREHENSIVE NUCLEAR-TEST-BAN TREATY ORGANIZATION (CTBTO)

by email to
procurement@ctbto.org

A: We shall submit our Information

By: _____ (date)	Company Name: _____
	Contact Name: _____
	Email/Tel: _____

B: We may submit and will advise

By: _____ (date)	Company Name: _____
	Contact Name: _____
	Email/Tel: _____

C: We will not submit Information for the following reason(s)

our current workload does not permit us to take on additional work at this time;
 we do not have the required expertise for this specific project;
 insufficient time to prepare a proper submission;
 other (please specify) _____

Company Name: _____
Contact Name: _____
Email/Tel: _____

REQUEST FOR INFORMATION

Ref: RFI 2024-0114/APYLOV

Date: 3 July 2024

Subject: HOUSING INFRASTRUCTURE FOR THE IMS RADIONUCLIDE STATION RN62, CAPE TOWN, SOUTH AFRICA

Closing Date: 17 July 2024 at 17:00 CET (Vienna time)

1. BACKGROUND

The Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (the Commission) with its headquarters in Vienna is the International Organization mandated to establish the global verification system foreseen under the Comprehensive Nuclear-Test-Ban Treaty (CTBT), which is the Treaty banning any nuclear weapon test explosion or any other nuclear explosions. The Treaty provides for a global verification regime, including a network of 321 stations worldwide, a communication system, an International Data Centre and on-site inspections to monitor compliance with the Treaty. More information can be found at www.ctbto.org.

The Commission would like to obtain a general information regarding capability of the suppliers to design, manufacture, supply and install a pre-fabricated housing or pre-fabricated container for CTBTO's automatic particulate system and a Noble Gas system in one infrastructure solution to be installed at the location close to Cape Town, South Africa (for the IMS Radionuclide Station RN62).

Also, as an alternative technical solution, the Commission may review a two-containers solution for two systems, if this solution is considered as cost efficient and sustainable vs one housing infrastructure solution. For more information, please see the attached brief technical description of the required equipment housing.

2. REQUEST FOR INFORMATION (RFI)

The Commission hereby invites suppliers to respond to this RFI with a reply on potential technical solutions and indicative pricing based on the brief technical description provided hereto as Attachment 1.

The market response to this RFI shall serve as a tool for the Commission to:

- Obtain a preliminary information to define the details of technical requirements of the required equipment housing (housing infrastructure);
- Identify potential sources of supply and pool of prospective suppliers available in the market to invite to the next steps of the competitive procedure for this project;

- Understand the pricing structure and cost drivers of the required goods and services.
- Obtain indicative estimated costs and related information to estimate the required funding. No figures provided by suppliers in response to this RFI will serve as the commitment or/and be carried forward to any potential future solicitation(s).

This RFI does not constitute a solicitation nor does it form a commitment by a party. Any solicitation for this requirement that may be issued at a later stage may not be restricted to suppliers that respond to this RFI. The Commission reserves the right to change or cancel this requirement at any time during the RFI and/or solicitation process.

3. RESPONSE TO THE RFI

3.1. Content of the response

Interested suppliers with relevant experience, technical and professional capability are invited to prepare a response (Information) to this RFI by providing a response to each of the queries included in the attached Information Matrix, on the following:

- (a) Company Information;
- (b) Technical Information;
- (c) Pricing Information.

The Information may include any other relevant data and/or documentation in addition to what is requested in the Information Matrix. A preliminary design or examples of the housing infrastructure (equipment housing) can be also provided; however, catalogues, marketing or commercial documentation should be avoided, unless necessary for the Information as a response to this RFI.

The Commission reserves the right to request the supplier to provide any additional information or documentation and to verify the Information provided in response to this RFI.

3.2. Submission of the Information

The Information shall be submitted in the English language and in electronic format to the email address: procurement@ctbto.org.

The submitting the Information shall be clearly marked as:

“RFI 2024-0114/APYLOV - Information for RN62 housing”

The Information must be received by the Commission no later than **16 July 2022 at 17:00 p.m., Vienna (Austria) time**.

4. REQUEST FOR CLARIFICATIONS

Suppliers’ requests for clarifications must be in writing and submitted in the English language to procurement@ctbto.org with subject “RFI 2024-0114 – Request for clarifications.

Questions raised by any supplier and related answers from the Commission will be sent to all known potential suppliers and posted on the websites of the Commission and of the United Nations Global Marketplace in the form of clarifications. The Commission will not disclose the name of the supplier(s) raising the question(s).

5. ELIGIBLE GOODS AND SERVICES

The goods and services to be sourced shall have their origin in the States Signatories of the Comprehensive Nuclear-Test-Ban Treaty (CTBT), the list of which is provided on the webpage: [CTBTO States Signatories](#). For purposes of this paragraph, "the origin" means the place from where the materials, goods and from which the services are supplied.

6. GENERAL PROVISIONS

- (a) Nothing herein or related hereto: (i) shall be deemed a waiver or any agreement to waive any of the privileges and immunities of the Commission, or (ii) shall be interpreted or applied in a manner inconsistent with such privileges and immunities.
- (b) Suppliers shall adhere to the highest ethical standards including, if applicable, throughout any procurement process that may follow this RFI.
- (c) This RFI is not a solicitation for quote, bid or proposal, and replying to it does not guarantee that a supplier will be approached by the Commission in the next steps of this procurement (if applicable) or otherwise.
- (d) Any and all costs and expenses incurred in relation to, or ensuing from, the submission of the Information will exclusively be borne by the supplier. The submission of the Information and a procurement selection process (if applicable) will not be subject to claims for financial compensation of any kind whatsoever.
- (e) This RFI does not entail any commitment on the part of the Commission, either financial or otherwise.
- (f) The Commission reserves the right to reject any or all the Information received without incurring any obligation to inform the affected supplier(s) of that decision or the grounds thereof and/or change or cancel this process at any time.
- (g) This RFI does not commit the Commission to proceed with a procurement process or contract as a result of this process. Any Information submitted will be regarded as such for the purpose described herein above and not as an acceptance by the supplier of an offer made by the Commission.
- (h) Information relating to the consideration of the Information shall not be disclosed to the suppliers.
- (i) This RFI is not exclusive. The Commission reserves the right to approach suppliers and accept Information through means other than this RFI.

**ATTACHMENT 1 - BRIEF TECHNICAL DESCRIPTION
OF THE HOUSING INFRASTRUCTURE FOR RN62, SOUTH AFRICA**

1. OBJECTIVE

The Commission would like to obtain **general information** regarding capability of the suppliers to design, manufacture, supply and install a pre-fabricated housing or pre-fabricated container for CTBTO's automatic particulate system and a Noble Gas system in one infrastructure solution to be installed at the location close to Cape Town, South Africa (for IMS station RN62).

Also, as an alternative technical solution, the Commission may review a two-containers solution for two systems, if this solution is considered as cost efficient and sustainable vs one housing infrastructure solution.

2. PERFORMANCE REQUIREMENTS FOR HOUSING INFRASTRUCTURE/EQUIPMENT HOUSING

The **pre-fabricated housing or container infrastructure (hereinafter referred to as the "housing infrastructure" or/and "equipment housing")** shall include an automatic particulate system (RN system), which is accepted by CTBTO for use on the IMS network. In addition to the automatic particulate system, the housing infrastructure must have a capacity to host a separate system, a Noble Gas system (NG system), which is accepted by CTBTO for use on the IMS network.

The housing infrastructure for both CTBTO RN and NG systems must be designed and manufactured with the objective to meet the following performance requirements:

- (a) can be assembled and dis-assembled without complexity;
- (b) minimum civil works for assembly;
- (c) can be loaded on a truck and transported to another location, if necessary.
- (d) can be suitable for use in the climatic conditions and environment of Cape Town, South Africa;
- (e) the minimum operational life shall be least 10 years (with reasonable wear and tear);
- (f) low or no maintenance costs (incl. replacement of sub-components, if required);

3. TECHNICAL REQUIREMENTS FOR HOUSING INFRASTRUCTURE/EQUIPMENT HOUSING

In general, the housing infrastructure shall have the following technical requirements:

- (a) The minimum area shall be 25 m², and the minimum height shall be 2.5 m. The width can be of various dimension sufficient for a free passage for one person;
- (b) The building materials of the housing infrastructure must be of sufficient quality to withstand local environmental conditions in South Africa;
- (c) The reinforced floor with metal structures shall be able to support and withstand the weight of min. 2,0 tons of RN system and min. 2,2 tons of NG system;
- (d) The doors shall be min. 2,2 m wide and the windows shall be of a standard dimension with two-ways open function;
- (e) Tamper sensors must be applied at the entrance doors;

- (f) The roof openings for Inlets (max. diameter 50 cm) and Outlets (max. diameter 50 cm) shall be easily accessible and sealable;
- (g) Effective lighting installation shall be required to ensure adequate lighting of the equipment and working areas;
- (h) Lightning protection must be installed;
- (i) Conduits and sockets for electrical cables and network connections shall be installed at several points. This requirement is to ensure that enough electrical outlets that are available for the RN particulate system, blower and NG system.
- (j) Cable ducts for sensors outside the equipment housing (e.g., meteorological sensors and VSAT cables) shall be laid;
- (k) Fire protection system must be installed;
- (l) A climate control system must be installed to ensure:
 - Temperature maintained between 18°C and 25°C.
 - Maximum temperature variation of 3°C within 24 hours.
 - Relative humidity below 80%.

ATTACHMENT 2 – INFORMATION MATRIX

COMPANY INFORMATION	
Supplier's details	Supplier's response
1. Company's contact details (contact person's name, address, telephone, e-mail, website, etc.)	
2. Proof of financial strength to perform (financial statement, or similar information for the past 3 years)	
3. Information on technical capabilities in the provision of the services in question	
4. Quality Assurance standards that your company conforms to	
5. Previous experience in supply of similar goods and services	
6. Supplier adheres to the UN Supplier Code of Conduct (available at https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct)	
7. Supplier is not included in the Consolidated United Nations Security Council Sanctions List nor in the UN's blacklist of debarred or suspended suppliers	
8. The Commission may use the technical information provided by the supplier for the purpose of considering the technical requirements for any future solicitation that may be issued by the Commission at a later stage, at its sole discretion	

TECHNICAL INFORMATION	
2. PERFORMANCE REQUIREMENTS FOR HOUSING INFRASTRUCTURE	Proposed technical solution
<p>The pre-fabricated housing or container infrastructure (hereinafter referred to as the "housing infrastructure" or/and "equipment housing") shall include an automatic particulate system (RN system), which is accepted by CTBTO for use on the IMS network. In addition to the automatic particulate system, the housing infrastructure must have a capacity to host a separate system, a Noble Gas system (NG system), which is accepted by CTBTO for use on the IMS network.</p>	

Please provide any relevant examples of similar infrastructure, (or RN codes), if available.	
The housing infrastructure for both CTBTO RN and NG systems must be designed and manufactured with the objective to meet the following performance requirements:	
(a) can be assembled and dis-assembled with no complexity;	
(b) minimum civil works for assembly;	
(c) can be loaded on a truck and transported to another location, if necessary.	
(d) can be suitable for use in the climatic conditions and environment of Cape Town, South Africa;	
(e) the minimum operational life shall be least 10 years (with reasonable wear and tear);	
(f) low or no maintenance costs (incl. replacement of sub-components, if required).	
Other technical details, not mentioned above	1.
	2.
	etc.
3. TECHNICAL REQUIREMENTS FOR HOUSING INFRASTRUCTURE In general, the housing infrastructure shall have the following technical requirements:	
(a) The minimum area shall be 25 m ² , and the minimum height shall be 2.5 m. The width can be of various dimension sufficient for a free passage for one person;	
(b) The building materials of the housing infrastructure must be of sufficient quality to withstand local environmental conditions in South Africa;	
(c) The reinforced floor with metal structures shall be able to support and withstand the weight of min. 2,0 tons of RN system and min. 2,2 tons of NG system;	
(d) The doors shall be min. 2,2 m wide and the windows shall be of a standard dimension with two-ways open function;	

(e) Tamper sensors must be applied at the entrance doors;	
(f) The roof openings for Inlets (max. diameter 50 cm) and Outlets (max. diameter 50 cm) shall be easily accessible and sealable;	
(g) Effective lighting installation shall be required to ensure adequate lighting of the equipment and working areas;	
(h) Lightning protection must be installed;	
(i) Conduits and sockets for electrical cables and network connections shall be installed at several points. This requirement is to ensure that enough electrical outlets that are available for the RN particulate system, blower and NG system.	
(j) Cable ducts for sensors outside the equipment housing (e.g., meteorological sensors and VSAT cables) shall be laid;	
(k) Fire protection system must be installed;	
(l) A climate control system must be installed to ensure: <ul style="list-style-type: none"> - Temperature maintained between 18°C and 25°C. - Maximum temperature variation of 3°C within 24 hours. - Relative humidity below 80%. 	
Other technical details, not mentioned above	1
	2
	etc.

PRICING INFORMATION	
4. ESTIMATED PRICES	Estimated Prices* (US\$ or EURO) (no commitment)
1. Design of the housing infrastructure for both CTBTO RN and NG systems	
2. Manufacturing of the housing infrastructure	
3. Cost of civil works	
4. Cost of installation (incl. mobilization)	

5. Delivery to RN62 Cape Town, S. Africa	
6. Warranty	
7. Maintenance costs	
8. Other costs	
9. Taxes shall not be included	

* Provide information on major cost drivers and, to the extent possible, breakdowns of main cost items