REQUEST FOR PROPOSAL

To: ALL BIDDERS CTBTO Ref. No.: 2024-0098/MOGAPI

(PLEASE QUOTE ON ALL COMMUNICATIONS)

Tel. No.: +43 (1) 26030-6350

E-mail: procurement@ctbto.org

Attn:

Phone: 29 May 24

Fax: Email:

Subject: New Contract for Provision of Software Engineering Services for the Development of an Atmospheric Transport Ensemble Modelling System (ATM-EPS) on a Call-off Basis

Deadline for Submission: 24 Jun 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 a proposal that meets the requirements of the attached documents.

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

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

Yours Sincerely,

Sally Alvarez de Schreiner

Chief, Procurement Services Section

ACKNOWLEDGEMENT FORM

Solicitation No: 2024-0098

Title: New Contract for Provision of Software Engineering Services for the Development of an Atmospheric Transport Ensemble Modelling System (ATM-EPS) on a Call-off Basis

Closing Date: 24 Jun 24

Vienna Local Time: 17:00

Procurement Staff: Gookeditswe Mogapi CTBTO Req. No.: 0010024546

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 proposal		
	Company Name:	
Ву:	Contact Name:	
(date)	Email/Tel:	
B: We may submit and will advise		
•	Company Name:	
Ву:	Contact Name:	
(date)	Email/Tel:	
C: We will not submit a proposal for the	following reason(s)	
our current workload does not pewe do not have the required expe	rmit us to take on additional work at this time; ertise for this specific project;	
insufficient time to prepare a proportion other (please specify)		
	Company Name:	
	Contact Name:	
	Email/Tel:	

INSTRUCTIONS FOR PREPARATION AND SUBMISSION OF PROPOSALS

1. General

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.

This Request for Proposal (RFP) is for the provision of services as described in the Terms of Reference.

The Proposal shall meet all requirements stated in the Terms of Reference and be submitted in accordance with these Instructions for Preparation and Submission of Proposals. For this project, the Commission is seeking capabilities, which will ensure that the services are delivered and the tasks are accomplished expeditiously and at a reasonable cost.

2. Documents included in this RFP

This RFP consists of the following documents:

- (a) Letter of Invitation
- (b) These Instructions for Preparation and Submission of Proposals with the following Attachments:
 - Attachment 1: Technical Compliance Matrix
 - Attachment 2: Evaluation Criteria and Method
 - Attachment 3: Format of Financial Proposal
 - Attachment 4: Procedure for submission of electronic bids in two (2) sealed files
- (c) Statement of Confirmation
- (d) Vendor Profile Form
- (e) The Commission's Model Contract and its Annexes A B;
 - The Commission's General Conditions of Contract (Annex A) incorporated herein by reference, found at www.ctbto.org under CTBTO General Conditions of Contract
 - o Terms of Reference (Annex B)

Note: In the event of award, the Proposal will be incorporated as Annex C to the Contract.

3. Amendment of RFP Documents

At any time prior to the closing date for submission of Proposal, the Commission may, for any reason, modify the RFP documents by amendment. The Commission may consider extending the deadline in order to allow adequate time for considering the modifications in the preparation of the Proposal.

4. Language of the Proposal

The Proposal and all correspondence and documents relating to it shall be in English.

5. Format and Submission of the Proposal

The Proposal shall be typed, dated and signed by an official legally authorized to enter into contracts on behalf of your organization. The Proposal shall not contain any interlineation, erasures or overwriting except as necessary to correct errors, in which case such corrections shall be initialled by the authorized person(s) signing the Proposal.

The Proposal shall be submitted electronically according to the attached "PROCEDURE FOR SUBMISSION OF ELECTRONIC BIDS IN TWO (2) SEALED FILES".

The Proposal shall be received not later than the closing date indicated in the Letter of Invitation.

6. Request for Clarifications and Contacting the Commission

The Commission will issue clarifications, if required. Bidders are requested to e-mail any questions pertaining to this RFP as soon as possible after receipt of the solicitation documents, but in any case, no later than 10 business days prior to the Closing Date. No requests for clarifications will be entertained after this time. Questions will only be accepted via e-mail sent to:

E-mail: <u>procurement@ctbto.org</u>

Subject: RFP No. 2024-0098/MOGAPI - Request for Clarifications

The Commission will make all reasonable efforts to issue the clarifications not later than 7 business days prior to the Closing Date.

Except in the case of responding to an RFP clarification, no bidder shall contact the Commission on any matter relating to the Proposal after its submission and until the award of the Contract. Any attempt to influence the Commission in its evaluation of the Proposal or the contract award decision may result in the rejection of the Proposal.

7. Eligible Goods and Services

The goods and services (if any) to be rendered under the Contract/Purchase Order shall have their origin in the States Signatories of the Comprehensive Nuclear-Test-Ban Treaty (CTBT) a list of which is available in the CTBTO website at www.ctbto.org under Status of Signatures and Ratifications | CTBTO. For purposes of this paragraph, "the origin" means the place from where the materials, goods and/or from which the services are supplied.

8. Type of Contract and Payment

The Commission intends to conclude firm fixed unit prices Call-off Contract based on the attached Model Contract. The terms and conditions of payment for services are described in Clause 13 of the attached Model Contract.

9. Preparation of the Proposal

The Proposal shall contain, but not necessarily be limited to, the information described below.

The Proposal shall be composed of the following separate parts:

- I. Technical Proposal; and
- II. Financial Proposal;

providing, but not limited to, the following information:

PART I: TECHNICAL PROPOSAL

Please state the reference number and the date of this RFP in the Proposal and any correspondence relating to it.

Point of Contact

The Proposal shall state the contact details and address (name, telephone and fax numbers, and email address) of the person/point of contact in your company dealing with this RFP.

Bidder's Statement, Statement of Confirmation and Vendor Profile Form

The attached Bidder's Statement, Statement of Confirmation and Vendor Profile Form shall be duly filled-in, signed and submitted as part of the Technical Proposal.

Description of Services, Minimum Content and Compliance Matrix for Technical Proposal An explanation of the bidder's understanding of the services to be provided and an overall preliminary operational plan for the execution of the services following the attached Minimum Content and Mandatory Requirements of the Technical Proposal and including the Technical Compliance Matrix, all provided in Attachment 1.

The Proposal shall also provide any other relevant issue which the bidder would like to bring to the attention of the Commission whether or not having cost implications.

Commission's Inputs

A description of the expected inputs/resources to be made available by the Commission and at what stage of the services.

Qualifications

Documentary evidence of the bidder's qualifications to provide the Services, which shall establish to the Commission's satisfaction that the bidder has technical capability necessary to perform the Contract and other necessary ongoing services as required in compliance with all the requirements and qualifications set forth in the Terms of Reference (see Attachment 1 to this RFP – Technical Compliance Matrix).

Personnel

In addition to Attachment 1 to this RFP, the Technical Proposal shall include:

- i. A statement that the capacity of the bidder, in terms of qualified manpower resources, is adequate to conduct the Work.
- ii. A statement of availability of the personnel, and the minimum period required before starting the work under the Contract;
- iii. A list of capable and experienced personnel, including their function and duration of assignment as key staff to work under this Contract (such as Project Manager or Team Leader, etc);
- iv. Curriculum vitae of the key personnel proposed for this contract, including experience with standards and technical experience to perform the Work.
- v. Details of key personnel identied at (iii) and (iv) above, which shall include at a

minimum the following information:

- a. Name.
- b. Nationality.
- c. Role.
- d. Employed since. (Please specify whether the key personnel are a permanent member or rather, if they are contracted for the duration of the Contract on an adhoc basis.)
- e. Type(s) of Service(s) from Section 5 of the Terms of Reference, which the key personnel will perform.

Please note that it is the bidder's responsibility alone to obtain **work permits or visa or similar** for the personnel proposed to implement this project. The Commission will make no effort nor accept any responsibility for obtaining work permits or visa or similar for the Contractor's personnel.

Use of former Preparatory Commission for the CTBTO ("Commission") employees in the preparation of Quotations:

A bidder must <u>not</u>, in the absence of prior written approval from the Commission, permit a person to contribute to, or participate in, any process relating to the preparation of a Quotation or the procurement process if the person:

- a. At any time during the 12 months immediately preceding the date of issue of the Solicitation was an official, agent, servant or employee of, or otherwise engaged by the Commission;
- b. At any time during the 24 months immediately preceding the date of issue of the Solicitation was an employee of the Commission personally engaged, directly or indirectly, in the definition of the requirements, project or activity to which the Solicitation relates.

Sub-Contractors

Names, legal status, address and qualifications of subcontractor(s), if any, and the scope of the subcontracted services. The Proposal shall provide a statement that your organization shall be fully responsible for the performance of sub-contractors. All sub-contractors shall be legally established in one of the CTBT States Signatories, a list of which is available in the CTBTO website at www.ctbto.org under Status of Signatures and Ratifications | CTBTO.

PART II: FINANCIAL PROPOSAL

In the Financial Proposal, Bidders are required to define the following:

- i. The Financial Proposal shall be submitted in the format set out in Attachment 3 "Format of Financial Proposal" attached herewith. Bidders shall provide all the information requested in this matrix but may provide additional related content as attachments. This will be evaluated as part of the responsiveness of the Financial Proposal. A Proposal that fails to meet this requirement may be disqualified and not be considered for further evaluation.
- ii. The bidder shall quote firm fixed person-day fees/rates in EURO or US Dollars for the duration of the contract. The quoted fees/rates should include all overheads and ancillary expenses, unless included as firm-fixed "Other Costs", or otherwise stated in Attachment 3 "Format of Financial Proposal".

iii. Note that clear and detailed explanations would enable us to evaluate the Proposal promptly and proceed with fewer requests for clarifications/justifications in a later stage. This is also a factor influencing the decision for Contract award.

Indirect Taxes

In principle the Commission is exempt from taxes. Since the arrangement under which such exemption is respected varies from country-to-country, the selected bidder will be informed by the Commission whether tax exemption will occur at source or whether taxes paid by the selected bidder will be reimbursed by the Commission upon submission of the original supporting documentation. "Taxes" means all direct and indirect taxes (including value added tax, general sales tax or goods and services tax), assessments, fees, customs duties, liens and charges in as much as they are levied in conclusion or implementation of the Contract, including customs restrictions and charges of similar nature in respect of articles imported or exported for the Commission's official use.

For Austrian companies

The price quoted shall be net of Taxes. All applicable Taxes payable by the selected bidder at the conclusion or implementation of the Contract in respect of the goods/services shall be quoted separately or be separately identified on the Proposal together with information on the nature of the tax and its method of calculation.

For European Union (EU) Companies

The price quoted shall be net of Taxes. All applicable Taxes payable by the selected bidder at the conclusion or implementation of the Contract in respect of the goods/services shall be quoted separately or separately identified on the Proposal together with information on the nature of the Tax and its method of calculation. Due to the VAT exemption applicable to the Commission, no VAT will be charged to the Commission by the EEC Suppliers under the Contract (Ref. EU VAT Council Directive 2006/112/EC, Article 151).

For Non-EU Companies

The price quoted shall be net of Taxes. All applicable Taxes payable by the selected bidder at the conclusion or implementation of the Contract in respect of the goods/services shall be quoted separately or be separately identified on the Proposal together with information on the nature of the tax and its method of calculation. For deliveries to Vienna, Austria, and due to the tax exemption at source applicable to the Commission, no Taxes shall be charged to the Commission under the Contract.

10. Completeness and Correctness of the Proposal

The Commission reserves the right to verify all information furnished by you in the Proposal through a source of its choice. Any inaccurate information so given may lead to the rejection of the Proposal.

11. Validity of the Proposal

The Proposal shall be valid for 90 (ninety) days after the deadline for its submission to the Commission, unless an extension of validity has been requested by the Commission.

12. Correction of Errors

The Commission will check the Proposal for any arithmetic errors. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected.

13. Evaluation of the Proposal

The Commission, based on the evaluation criteria and method given in Attachment 2, will determine the Proposal that 'most effectively satisfies the technical and operational requirements set out in the solicitation documents'. The Commission reserves the right, as it deems appropriate, to award to a single bidder, to award to multiple bidders in any combination or not to award to any of the bidders as a result of this RFP.

14. Negotiations of the Proposal and Award

The Commission reserves the right to request clarifications on the Proposal and to enter into negotiations regarding technical or commercial aspects of the Proposal before awarding the contract under this RFP.

15. Modification and Withdrawal of the Proposal

Bidders may modify or withdraw their Proposals after their submission, provided that written notice of the modification or withdrawal is received by the Commission by the closing date for the submission of the Proposal. The Proposal may not be modified subsequent to the closing date.

16. The Commission's Right to Reject the Proposal

The Commission reserves the right to accept or reject the Proposal or to annul this procurement process at any time prior to the award of contract without having to inform the bidders of the grounds therefore, without thereby incurring any liability to the bidders.

17. Costs of preparation and submission of the Proposal

Bidders shall bear all the costs associated with the preparation and submission of their Proposal and the Commission will not be responsible or liable for those costs, regardless of the outcome of this RFP.

18. Proprietary Information

All documentation and information contained in this RFP are proprietary to the Commission and shall not be duplicated, used or disclosed -in whole or in part- for any purpose other than to evaluate them and respond to the Commission's request for Proposal or otherwise without prior written agreement of the Commission.

ATTACHMENT 1 - Technical Compliance Matrix

PROVISION OF SOFTWARE ENGINEERING SERVICES FOR THE DEVELOPMENT OF AN ATMOSPHERIC TRANSPORT ENSEMBLE MODELLING SYSTEM (ATM-EPS) ON A CALL-OFF BASIS

Below sets out the Minimum content of the Proposal and the Mandatory Requirements of the Technical Proposal. Bidders are requested to demonstrate compliance with the requirements and add any further information in support of their Proposal. Please refer to the relevant section of the Terms of Reference for further explanation of the requirements. The information provided will form an integral part of the technical evaluation process. Part II of this document must be completed.

Part I

	Item	Minimum content			
1.	Executive Summary	Provide an overview of the proposal			
2.	Experience, Resources and	d Project Management			
2.1	Corporate Profile and Values	 Brief background of the company, mission/vision, ownership, size, location, number of personnel by type profile, etc. Company business structure and its authority to execute all Work under the Contract. If a consortium, provide a clear explanation of the business relationship between the members and governance for the execution of this project. In case the Bidder requires the services of subcontractors, the Proposal shall include: a) Relationship of the Bidder's business to any subcontractor(s) that will be used. b) Names, addresses, legal status, and qualifications of major sub-contractor(s) proposed by your organization. c) The scope of work and nature of subcontracting. 			
2.2	Corporate Experience	The proposal should detail the Bidder's experience in executing work of similar scope and complexity.			
2.3	Requirements for the Contractor	The Proposal should address and describe all requirements spelled out under Section 6 of the Terms of Reference (ToR).			
3.	Meeting the Requirements	s			
3.1	Understanding of the ToR	 Please describe your understanding of the services that are to be provided under this ToR, detailing key assumptions that impact the Technical Proposal. Please discuss how you propose to address some of the sample tasks listed in Section 4 (Scope of Work) of the ToR. 			

4. Contractor's key staff	
4.1. Visa & Work Permits	Provide written confirmation that the Bidder understands and agrees to take responsibility for obtaining any Visa and/or work permits, which may be required to perform the Work under the Contract. The CTBTO does not sponsor work permits for contractors.
4.2. Documentation and Reporting	 Provide written assurance that all reports, documentation, and communication (written and oral) supplied to the Commission shall be in English and submitted in electronic form. Provide written assurance that all documentation will adhere to the IDC Documentation Standards, samples of which will be provided to the successful Contractor.
5. Model Contract	
	A statement that the bidder has carefully reviewed the Model Contract and its Annexes and is in agreement with all its terms and conditions.

Part II

Compliance Matrix

Ref No. of ToR	Requirements A section-by-section response to each section of the Terms of Reference is included in the Proposal	Bidder's Response Please tick whichever is applicable		Response Please tick whichever is applicable		Response Please tick whichever is applicable		Response Please tick whichever is applicable		Response Please tick whichever is applicable		Response Please tick whichever is applicable		Response Please tick whichever is applicable		Response Please tick whichever is applicable		Indicate the section in your Proposal and ensure that it is sufficiently described in the Proposal
		"Yes"	"No"															
3.1.2	Completion and Acceptance - List of Deliverables																	
4.1	Descriptive confirmation of understanding of the Objectives.																	
4.2.1	Familiarization with IDC's precursor project "Quantifying uncertainties and confidence level in ATM simulations"																	
Requirements for the Contractor																		
6.2.a	The Contractor shall have extensive experience in scientific methods research projects of similar scope and complexity of which results appeared in at least four (4) peer-reviewed																	

	publications. A list of these		
	1 ^		
	publications and possible other		
	research projects (with details) proving		
	such experience should be provided.		
	The Contractor shall have extensive		
	experience in developing scientific		
	software engineering solutions of		
6.2.b	similar scope and complexity. A list of		
	at least four (4) software projects (with		
	details) proving such experience		
	should be provided.		
	The Contractor shall provide a		
	confirmation that the staff turnover has		
6.2.c			
	been below 20% per year over the past		
	three (3) years.		
	The Contractor shall provide a		
	confirmation of a minimum of one (1)		
6.2.d	year experience working with modern		
	issue tracking and ticket management		
	systems, preferably Jira.		
	The Contractor shall provide a		
	confirmation of the warranty period of		
6.2.e	two (2) years after the completion of the		
0.2.6	user acceptance testing. Terms and		
	conditions of post-warranty support and		
	bug fixes shall be available and clearly		
	specified.		
	The Contractor shall provide a		
	confirmation that they will be able to		
	adjust the working hours of staff		
6.2.f	assigned to the Team for a sprint		
	meeting that overlaps at least two		
	hours with the Commission's working		
	hours (9 a.m. to 5 p.m. CET/CEST).		
Requiremen	at for the Contractor's Personnel		
1			
	Advanced university degree in		
6.3.1.a	Physics, Mathematics, or Computer		
	Science, or a related scientific/		
	technical subject.		
6.3.1.b	Knowledge of atmospheric transport		
0.5.1.0	modelling (ATM) of similar scope and		
	complexity is mandatory,		
	¥ /		

	demonstrated by at least four (4) peer-reviewed publications.		
6.3.1.c	Extensive demonstrated experience with the FLEXPART Lagrangian Particle Dispersion Model is mandatory. Proven experience implies a list of at least two (2) projects related to the scope of the Services defined in Section 4.		
6.3.1.d	Extensive demonstrated experience in using meteorological ensembles for dispersion modelling and uncertainty quantification. Proven experience implies at least three (3) peer-reviewed publications related to the scope of the Services defined in Section 4.		
6.3.1.e	A good understanding of software development methodologies. Shortly describe the software development methodologies used in the recent past.		
6.3.1.f	Extensive experience in the last ten (10) years in developing software solutions in the scientific domain. Details about at least four (4) projects of similar complexity need to be provided.		
6.3.1.g	The automatization of the ATM pipeline is mostly written in Perl. The experience with Perl needs to be demonstrated by at least two (2) projects.		
6.3.1.h	Most of the ATM pipeline components (e.g. FLEXPART and SRS generator) are written in Fortran. The experience with Fortran needs to be demonstrated by at least four (4) projects.		
6.3.1.i	Most of the ATM post-production software is written in Python. Demonstrated experience with Python by at least four (4) projects.		

6.3.1.j	Have at least two (2) projects demonstrating a practical utilization of Git and GitLab.		
6.3.1.k	Experience in radionuclide analysis is an advantage. Details must be provided.		
6.3.1.1	Communication skills in English.		
Risk Manag	ement		
7	Risk Management plan as part of the Proposal. The Risk Management plan shall also include a business continuity plan and contingency plans. A thorough risk assessment plan at the project's commencement shall be provided.		

Technical Evaluation Criteria and Method

PROVISION OF SOFTWARE ENGINEERING SERVICES FOR THE DEVELOPMENT OF AN **ATMOSPHERIC TRANSPORT ENSEMBLE**MODELLING SYSTEM (ATM-EPS) ON A CALL-OFF BASIS

No.	Ref No. in TOR	1.QUALIFICATION REQUIREMENTS (PASS/FAIL)	PASS/FAIL
	6	Requirements for the Contractor (PASS /FAIL)	PASS/FAIL
1	6.2.a	The Contractor shall have extensive experience in scientific methods research projects of similar scope and complexity of which results appeared in at least four (4) peer-reviewed publications. A list of these publications and possible other research projects (with details) proving such experience should be provided.	PASS/FAIL
2	6.2.b	The Contractor shall have extensive experience in developing scientific software engineering solutions of similar scope and complexity. A list of at least four (4) software projects (with details) proving such experience should be provided.	PASS/FAIL
3	6.2.c	The Contractor shall provide a confirmation that the staff turnover has been below 20% per year over the past three (3) years.	PASS/FAIL
4	6.2.d	The Contractor shall provide a confirmation of a minimum of one (1) year experience working with modern issue tracking and ticket management systems, preferably Jira.	PASS/FAIL
5	6.2.e	The Contractor shall provide a confirmation of the warranty period of two (2) years after the completion of the user acceptance testing. Terms and conditions of post-warranty support and bug fixes shall be available and clearly specified.	PASS/FAIL
6	6.2.f	The Contractor shall provide a confirmation that they will be able to adjust the working hours of staff assigned to the Team for a sprint meeting that overlaps at least two hours with the Commission's working hours (9 a.m. to 5 p.m. CET/CEST).	PASS/FAIL
•	6.3	Requirement for the Contractor's Personnel (PASS /FAIL)	PASS/FAIL
7	6.3.1.a	Advanced university degree in Physics, Mathematics, or Computer Science, or a related scientific/ technical subject.	PASS/FAIL
8	6.3.1.b	Knowledge of atmospheric transport modelling (ATM) of similar scope and complexity is mandatory, demonstrated by at least four (4) peer-reviewed publications.	PASS/FAIL

Only bidders who pass all above criteria will be considered for the point system evaluation (2nd stage)

	Ref No. in 2.TECHNICAL REQUIREMENTS - EVALUATION CRITERIA AND METHOD			Poin	ts
	TOR	Quality of the Proposal	Max Points	Factor	Weighted score
9	1-7	Extent to which all aspects of the ToR have been addressed in sufficient detail and clarity.	5	2	10
10	4	Understanding of the scope of work and the responsibilities of the Contractor	5	4	20
11	7	The Contractor shall provide a Risk Management plan in its Proposal.	5	1	5
		Subtotal	15		35
	Ref No. in TOR	Requirements of the Contractor's personnel to be met at the team level	Max Points	Factor	Weighted score
12	6.3.1.c	Extensive demonstrated experience with the FLEXPART Lagrangian Particle Dispersion Model is mandatory. Proven experience implies a list of at least two (2) projects related to the scope of the Services defined in Section 4.	5	4	20
13	6.3.1.d	Extensive demonstrated experience in using meteorological ensembles for dispersion modelling and uncertainty quantification. Proven experience implies at least three (3) peer-reviewed publications related to the scope of the Services defined in Section 4.		2	10
14	6.3.1.e	A good understanding of software development methodologies. Shortly describe the software development methodologies used in the recent past.	5	1	5
15	6.3.1.f	Extensive experience in the last ten (10) years in developing software solutions in the scientific domain. Details about at least four (4) projects of similar complexity need to be provided.	5	1	5
16	6.3.1.g	The automatization of the ATM pipeline is mostly written in Perl. The experience with Perl needs to be demonstrated by at least two (2) projects.	5	4	20
17	6.3.1.h	Most of the ATM pipeline components (e.g. FLEXPART and SRS generator) are written in Fortran. The experience with Fortran needs to be demonstrated by at least four (4) projects.	5	1	5
18	6.3.1.i	Most of the ATM post-production software is written in Python. Demonstrated experience with Python by at least four (4) projects.	5	1	5
19	6.3.1.j	Have at least two (2) projects demonstrating a practical utilization of Git and GitLab.	5	1	5
20	6.3.1.k	Experience in radionuclide analysis is an advantage. Details must be provided.	5	1	5
21	6.3.1.I	Communication skills in English.	5	1	5
		Subtotal	50		85

EVALUATION METHOD:

Technical Evaluation:

The technical evaluation process will be done in two stages:

1) <u>Stage 1</u>: Technical proposals will first be evaluated against the mandatory requirements outlined in section 1 above, on a PASS/FAIL basis.

Compliance with all mandatory requirements is required in order to pass stage 1 of the technical evaluation and to be further considered for stage 2 of the evaluation process;

2) <u>Stage 2</u>: The technical proposals that have passed stage 1 of the technical evaluation process, will be evaluated against the weighted criteria set forth in the evaluation matrix above

In order to pass this stage, bidders must obtain a minumim $\underline{\text{score}}$ of 72 and in accordance with the scoring table indicated below:

TABLE 2

Points	Explanation - to be considered when assigning the points
0	Unsatisfactory - Response incomplete, inadequate and/or non-responsive to the criterion. Bidder does not clearly understand the criterion.
1 - 2	Weak - Does <u>not</u> meet the minimum technical, functional, or performance related criterion.
3	Good - Meets the criterion in <i>most</i> areas but is lacking details and responsiveness in some areas of the criterion.
4	Very good - Meets the criterion to minimum acceptable levels in all areas.
5	Excellent - Meets the criterion to minimum acceptable levels in all areas and exceeds it in some areas.

2. Financial and commercial evaluation

Once the technical evaluation is finalized, the financial offers of the technically compliant bidders will be evaluated in accordance with the formula given below:

X= Max Available Points * Y/Z

Legend:

X= points to be assigned to the offer being evaluated

Y= price of the lowest priced, technically compliant offer

Z= price of the offer being evaluated

The weight of the technical and financial components is **60%** and **40%** respectively, subject to contractual acceptability.

The Contract will be awarded to the bidder who receives the highest combined score resulting from the technical and financial evaluations, subject to contractual acceptability.

ATTACHMENT 3

Summary of Financial Proposal

PROVISION OF SOFTWARE ENGINEERING SERVICES FOR THE DEVELOPMENT OF AN ATMOSPHERIC TRANSPORT ENSEMBLE MODELLING SYSTEM (ATM-EPS) ON A

CALL-OFF BASIS - WOs

Description (ToR)	Unit	QTY	Est. 290 person-days Unit Price (Currency)
Tasks under Section 4 (Scope of Work)			
Off-site work-estimated days: 284 persondays	person-day	1	
On-site work-estimated: 6 days	person-day	1	
Travel: Return travel for On-site work	RT/Trip	1	

NB:

- 1) Please specify currency (USD or Euro only). The rates shall be firm and fixed throughout the term of the Contract.
- 2) This is a unit-based Contract. The exact number of working days will be determined/called-off in the form of Work Orders (WOs) at the rates quoted in this Attachment.
- 3) The person-days noted are an upper limit, and the Commission reserves the right, at its sole discretion, to call-off fewer person-days or no person-days at all.
- 4) Estimated costs for travel based on the most economic and direct route shall be specified in the Financial Proposal. Bidders shall indicate whether the travel costs (without DSA) are firm and fixed for the duration of the Contract, or they are estimated. In the case the travel costs are estimated, payment shall be based on actual costs against relevant supporting documentation e.g. invoices for travel, and shall not exceed 10% of the estimate.
- 5) If applicable, Daily Subsistance Allowance (DSA) shall be calculated based on the values provided by the International Civil Service Commission (ICSC) https://icsc.un.org/. Daily subsistance/per diem will be reimbursed at the applicable Daily Subsistance Allowance (DSA) rate of the United Nations (and UN EUR/USD exchange rate, if applicable).

Attachment 3

"Procedure for Submission of Electronic Offers in 2 Sealed Files"

The Commission invites you to submit your sealed offer (Bid, or Proposal) in response to the solicitation forming part of this request.

Please be sure to follow the instructions below very carefully, so that the documents you submit are encrypted, and cannot be opened without an encryption key (password). If the documents are not encrypted, they will not be accepted as part of this tender process.

CRITICAL INFORMATION:

Create separate zip files for the technical offer and the financial offer (labeling them clearly in the title) with different encryption keys. Instructions for how to do this are provided below.

Step 1: You provide the encryption key (password) for the *Technical Offer only* (in accordance with the below instructions)!

Step 2: After the Commission has performed the evaluation of the Technical Offer, if your Technical Offer is considered to be acceptable, the Commission will request the encryption key (password) for the Financial Offer you have already submitted by the tender Deadline.

Should you have any questions, please send an email to procurement@ctbto.org.

We recommend that you leave yourself plenty of time to complete the below process (including getting any necessary assistance from the Commission), as late offer will not be accepted.

INSTRUCTIONS:

- 1. In a **WINDOWS** environment, one way of meeting the requirements is as follows.
 - We recommend using the open-source, free software **7-zip**, but if you are comfortable with other tools, the result should be the same, as long as you can apply encryption to the archive. In the below, we'll use 7-zip as an example.
 - (You can download the 7-zip code for Windows at: 7-zip.org)
- 2. In **LINUX** environment, you can use, for instance, "sha1sum" on the command line.

Creating the archives for submission

Regardless of whether the offer is a single file, or a collection of files, the files are easier to manage if delivered as a single, compressed file. Compressing the archive is a common way to meet size limitations in email systems.

As an example of how to submit your offer in the required format: assuming you are supplier "SOFTCOMP" and have the following files related to the offer for "RFP 2020-0010/EDWALD". (You will need to replace these elements with the real information for your actual offer in line with the relevant Instructions for Preparation and Submission of Proposals/Bids.) Assuming further that you have installed the 7-zip software on the Windows system you are using.

We will only go through the creation of the Technical Offer (Proposal/Bid) component; the Financial Offer (Proposal/Bid) component is similar.

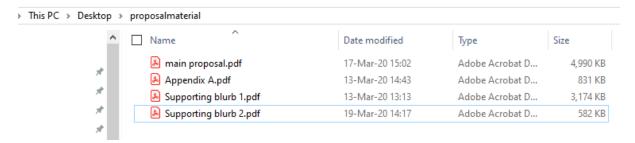


Figure 1 An example set of files to be submitted

Select the four files and right-click; a Dialog box pops up, with one of the options being "7-ZIP >". Hover your cursor over the " >" part and a few more options appear, select the "Add to archive" option.

Another dialog box pops up (see 'Figure 2, Creating an Archive', next page):

Using the standard Windows methods, select a suitable location for the archive (if you don't change it, the archive gets created right where the selected files are), and give it a name in the form of: "SOFTCOMP-2020-0010-EDWALD-TECHNICAL-BID", of course replacing all the elements with the true values for the offer in question: the actual company indicator, and the actual RFP/ITB identification string. Note that it is not possible to put a slash "/" in the filnename, and therefore put a dash "-" instead. Leave the file extension ".zip' as is.

Leave all the other settings as is, except: **add a password to the encryption** (see figure 2 below). This is done by typing the same password (of your choosing) twice in the two text fields in the lower right hand corner.

Make a note of this password. You must choose different passwords for the two zip archives, that is, the Technical and the Financial Proposal/Bid.

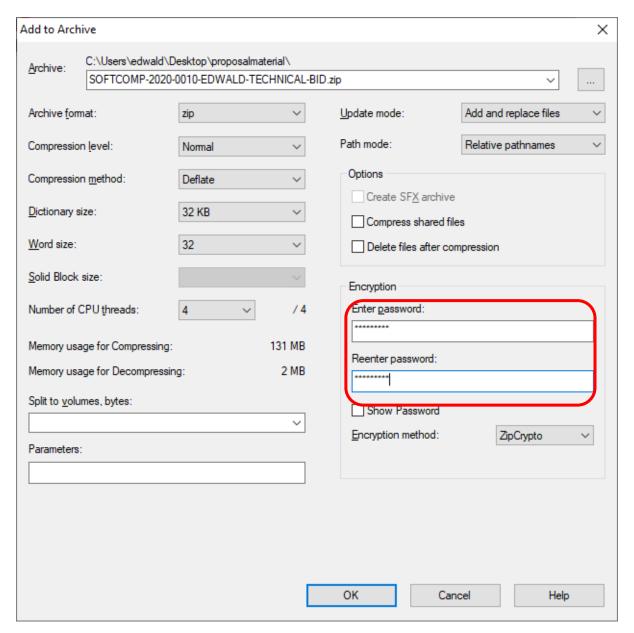


Figure 2 Creating an Archive

Now, we seek the "SHA1 Hash", and electronic fingerprint of the archive you have just created. The hash is a string calculated from your file(s) and can be used to guarantee that the file has not been modified since you created it. Any change to the file will result in a different hash value.

There are many ways of calculating this; two common options are decribed below.

If the appropriate functionality is available in your Windows environment: Select the compressed archive in the Windows file manager, (eg. SOFTCOMP-2020-0010-EDWALD-TECHNICAL-BID.zip) and right click. One of the options to select is "CRC SHA >". Hovering over the ">" brings a few more options to light, select the SHA-1 option. A smaller dialog pops up: (see Figure 3, SHA1 below).

Clicking Ctrl-C grabs the contents of this box. You can close the box after copying the contents. (You can paste the contents into a mail message, for instance.)



Figure 3 SHA1

If this CRC SHA function is not available by 'right-click' on your Windows version, you can also do this from 'the command line', a slightly more complicated way. Open a CMD window (see sidebar below), move to the folder where your archive is, and execute the command:

"certutil -hashfile SOFTCOMP-2020-0010-EDWALD-TECHNICAL-BID.zip shal" where you obviously replace the name of the file with your real file name. The output of this command is the SHA1 "hash". You can copy-and-paste the string for use in the email (below).

Sidebar: How to open a CMD window in Windows:

The way to open a Command window (or 'terminal') depends on the version of Windows you have. The different methods are very clearly described in the following article, but a quick internet search will find multiple descriptions.

https://www.lifewire.com/how-to-open-command-prompt-2618089

Finally,

- Create a new email, Subject: example- "SOFTCOMP-2020-0010-EDWALD". Add the two compressed archives, that is, the Technical Offer and the Financial Offer archives as attachments. The text of the email should contain the SHA1 information for both archives.
 SEND THIS TO: sealed_bids@ctbto.org (note that there is an underscore "_" between "sealed" and "bids"). (Should the email become larger than your mail system allows, you can try sending the two archives in separate emails. Take care to include the right SHA1 information with each file.)
- 2. Create a new email, Subject: example- "SOFTCOMP-2020-2010-EDWALD-Technical Offer" the contents of which must contain the Encryption Key for the Technical Offer (the password

you used when creating the Technical Offer). (Again, note the underscore between 'bid' and 'keys'.)

SEND THIS TO: bid_keys@ctbto.org

<u>IMPORTANT NOTE</u>: As stated above, only send the Encryption Key for the Technical Offer to the <u>bid_keys@ctbto.org</u> mailbox when sending your Technical and Financial Offer to the <u>sealed_bids@ctbto.org</u> mailbox. You shall only send the Encryption Key for the Financial Offer to the Commission if and when informed by the Commission that your Technical Offer had been evaluated as "technically acceptable".

The Financial Offer Encryption Key will need to be provided by you to the same e-mail (bid keys@ctbto.org) within 48 hours of the Commission's request, clearly marked in Subject: Encryption Key for (example): "SOFTCOMP 2020-2010 EDWALD-Financial Offer". If your Offer is not considered "technically acceptable", the Commission will not request an Encryption Key for your Financial Offer, and it will remain unopened.

As mentioned above, should you have questions or difficulties, please send an e-mail to procurement@ctbto.org.

We recommend that you leave yourself plenty of time to complete the above process (including getting any necessary assistance from the Commission), as late offers will not be accepted.

MODEL CONTRACT

(SAP No.

between

THE PREPARATORY COMMISSION FOR THE COMPREHENSIVE NUCLEAR-TEST-BAN TREATY ORGANIZATION

and

THE NAME OF THE CONTRACTOR

for

PROVISION OF SOFTWARE ENGINEERING SERVICES FOR THE DEVELOPMENT OF AN ATMOSPHERIC TRANSPORT ENSEMBLE MODELLING SYSTEM (ATM-EPS) ON A CALL-OFF BASIS

This Contract comprises this cover page, a table of contents, 8 (eight) pages of text, a signatories page, a List of Annexes and 3 (three) Annexes (A to C)

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MODEL CONTRACT

This	CONTRACT	is	entered	into	between	the	PREPARAT	ORY	COMMISSIO	NC	FOR	THE
COM	PREHENSIVE	NU	CLEAR-	TEST	Γ-BAN TR	EAT	Y ORGANIZ	ATION	(hereinafter	refe	rred to	as the
"Com	nmission"), hav	ing	its offic	e loca	ated at Vi	enna	International	Centre	, Wagramer	Stra	sse 5,	1400
Vienr	na, Austria, and					(hereinafter re	ferred t	o as the "Con	tract	tor"), h	aving
its registered office located at							[address] (both hereinafter individually referred to					
as the "Party" and collectively as the "Parties").												

The Parties hereto mutually agree as follows:

1 DEFINITIONS

In this Contract, words and expressions shall have the same meanings as respectively assigned to them in the General Conditions of Contract and the Terms of Reference. In addition, the following words and expressions shall have the meanings hereby assigned to them:

- "Annex A" means the Commission's General Conditions of Contract.
- "Annex B" means the Commission's Terms of Reference.
- "Annex C" means the Contractor's Proposal dated XXX.
- "Contract" means this document, its Annexes and any further modifications or such further documents as may be expressly incorporated in this Contract by the Parties in accordance with Clause 21 below.
- "Contractor" means the legal entity named in the preamble of this Contract or its successors. The Contractor shall be the only interface for all matters pertaining to execution of the Work under this Contract.
- "Goods" means the equipment to be supplied and delivered by the Contractor under the Contract as requested by the Commission under the WO.
- "Services" means the activities or tasks to be performed by the Contractor under the Contract as requested by the Commission under the WO.
- "Party(ies)" means the Commission and/or the Contractor, as the context requires.
- "Rule(s)" means any regulation(s), official directive(s), ordinance(s), guideline(s), customs and practices.

"Work" means all the Goods and Services to be provided by the Contractor, including its affiliates and/or subcontractors, in order to fulfil all its obligations under the Contract, and the remedying of any defects therein.

"Work Orders ('WO')" mean orders issued by the Commission which specify the (parts or portions of) Work to be performed by the Contractor upon request by the Commission in accordance with Annexes B and C.

2 AIM OF THE CONTRACT

The aim of this Contract is to provide software engineering services for the development of an atmospheric transport ensemble modelling system (ATM-EPS) on a call-off basis (hereinafter referred to as the "Services" or "Work") to the Commission.

3 ENTRY INTO FORCE AND DURATION OF THE CONTRACT

The Contract shall enter into force upon the date of the last signature by the authorized Representatives of the Parties (hereinafter referred to as the "Effective Date") and shall be valid until the Parties fulfill all their obligations hereunder.

4 COMMENCEMENT AND COMPLETION OF THE WORK

The Commission shall have the right, but not obligation, to call-off the Works in the form of WO from the Effective Date until 30 November 2026, or the performance of a maximum of 290 (two hundred ninety) person-days by the Contractor, whichever occurs first (hereinafter referred to as the "Call-off Period"). The commencement and completion date for the performance of the Works (hereinafter referred to as "Commencement Date" and "Completion Date", respectively) will be set out in the respective WO.

5 STANDARD OF WORK

The Contractor shall perform the Work in a workmanlike manner in conformity with standard professional practices, using qualified personnel and in strict accordance with the Contract. The Contractor shall furnish the highest skill and judgement and cooperate with the Commission, including all the Commission's consultants and agents, in best furthering the interests of the Commission and the aim of this Contract. The Contractor shall provide efficient business administration and supervision, and it shall perform the Work in the best way and in the most expeditious and economical manner consistent with the requirements of the Contract.

6 RESPONSIBILITIES OF THE CONTRACTOR

- (a) The Contractor shall provide the Work described in Annexes B and C.
- (b) The Contractor shall provide qualified English-speaking personnel as necessary to perform the Work under this Contract. The key persons shall be available for possible tasks related to the Work throughout the duration of the Contract period. Any replacement of the key personnel shall be made in accordance with Clause 7 of Annex A.

(c) The Contractor acknowledges that after the completion of the Work under this Contract, the Commission shall own the Software and source code described in Annex B and developed in this Contract and the Contractor shall have no rights in that Software or source code unless granted by the Commission under Clause 24 of this Contract or in writing under a separate agreement.

7 ORGANISATION OF CONTRACT IMPLEMENTATION

- (a) During the term of the Contract, the Commission has the right, but not the obligation, to initiate performance of the Work through the issuance of individual WOs in accordance with Annex B based on the firm fixed unit prices set out in Annex C and, if applicable, relevant travel costs pursuant to Clauses 12 and 13 below. The Contractor shall not perform any Work if not requested by the Commission through an WO. However, the Contractor may propose a WO for the Commission's evaluation.
- (b) The WO issued by the Commission shall be the basis for acceptance, invoicing and payment of any Work performed by the Contractor.
- (c) The performance of the Work shall be made in full in accordance with the respective WO. Partial service performance of a WO will not be accepted and reimbursed without prior written agreement by the Commission.
- (d) The Work shall be performed at the place and within the approved Work Plan specified in the relevant WO.
- (e) The Commission may revise a WO as and when it may deem necessary.

8 WARRANTY

- (a) The provisions of Clause 28 of Annex A shall apply to the Work performed by the Contractor.
- (b) The Contractor shall ensure that the Commission shall experience no loss of service or support level by sub-contractors or repair agents acting on behalf of the Contractor.

9 PERMITS, NOTICES, LAWS AND ORDINANCES

- (a) The Contractor shall obtain and pay for all permits and inspections necessary for the proper execution and completion of the Work that are customarily obtained upon execution of this Contract and that are legally required at the time the Proposal is received by the Commission. This shall include, but not be limited to, work permits, visa, or similar.
- (b) The Contractor shall give all notices required by the nature of the Work.
- (c) If the Contractor notices that the Work or any part thereof required under this Contract is not in accordance with applicable laws and Rules, or with technical or safety standards, it shall promptly notify the Commission thereof in writing.

10 PROTECTION OF PERSONS AND PROPERTY

- (a) The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programmes in connection with the Work.
- (b) The Contractor shall take all reasonable precautions for the safety of, and shall provide all reasonable protection to prevent damage, injury and loss to:
 - (i) all employees on the Commission's premises and all other persons who may be affected thereby;
 - (ii) all the Work, equipment, its spare parts, materials and supplies to be incorporated therein, whether in storage on or off the Commission's premises, which are under the care, custody or control of the Contractor or any of its subcontractors; and
 - (iii) other property on the Commission's premises or adjacent thereto.
- (c) The Contractor shall give all notices and comply with all applicable laws and Rules bearing on the safety of persons and property and/or their protection from damage, injury and loss.
- (d) The Contractor shall erect and maintain, as required by existing conditions and progress of the Work, all reasonable safeguards for the safety and protection of persons and property, including posting danger signs and other warnings against hazards and promulgating safety regulations.
- (e) When the use or storage of combustible, explosive or other hazardous materials is necessary for the execution of the Work, the Contractor shall exercise the utmost care and shall carry on such activities under the supervision of properly qualified personnel.
- (f) The Contractor shall be responsible for the prevention of accidents on the Commission's premises during the execution of the Work.
- (g) In any emergency affecting the safety of persons or property, the Contractor shall promptly act to prevent threatened damage, injury and loss.
- (h) The Contractor shall promptly remedy all damage and loss to any property, referred to in Sub-Clause (b) above, caused in whole or in part by the Contractor, any subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable and for which the Contractor is responsible under Sub-Clause (b) above, except damage and loss attributable to the acts or omissions of the Commission or anyone directly or indirectly employed by it, or of anyone for whose acts the Commission may be liable, and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to its obligations under Clause 9 of Annex A.

11 RESPONSIBILITIES OF THE COMMISSION

The Commission shall designate members of its staff to act as points of contact for the Contractor to ensure that the Work is carried out in accordance with Annexes B and C and shall promptly notify the Contractor thereof. The Commission shall respond promptly to requests for information by the Contractor regarding the Work.

12 CONTRACT PRICE

- (a) For each WO issued during the Call-off Period specified in Clause 4 above, the Commission shall pay to the Contractor, in consideration of the full and proper performance of its obligations under the Contract, as follows:
 - (i) A firm fixed person-day rate pursuant to Annex C;
 - (ii) If applicable, daily subsistence allowance (DSA) based on the applicable United Nations DSA rates published by the International Civil Service Commission (ICSC);
 - (iii) If applicable, travel costs (other than DSA) based on the most economic and direct route and relevant supporting documentation of costs actually incurred subject to Clause 13(ii) below;

(hereinafter altogether referred to as the "Contract Price").

- (b) The person-day unit prices set out in Annex C shall be held fixed for the entire duration of the Contract.
- (c) The Contract Price shall cover all costs and expenses incurred by the Contractor for the full and proper performance of all relevant obligations under the Contract (including travel, allowances, management and remuneration of the personnel, national income tax, medical insurance, and social security contributions).

[PLEASE IDENTIFY WHETHER TAXES ARE APPLICABLE UNDER THIS CONTRACT AND SELECT ONE OF THE FOLLOWING OPTIONS AT THE TIME OF AWARD]:

(d) The Contractor shall be reimbursed by the Commission for such taxes on the basis of actual amounts paid and duly documented by the Contractor as per Clause 13(e) below.

OR

(e) No Taxes are applicable under this Contract.

13 PAYMENT

- (a) The Contract Price shall be paid upon satisfactory completion of each deliverable for the Work and satisfactory completion of each WO and submission of the following:
 - i) Invoice drawn up in accordance with this Clause 13;
 - ii) If applicable, supporting documentation referred to in Clause 12(a)(iii) above. Payment by the Commission of any such estimated travel costs shall not exceed 10% (ten percent) of the estimated amount in the WO;
 - iii) Any other documentation that might be required under the applicable WO.

- (b) The Commission will make the payments to the Contractor on the basis of an invoice submitted by the Contractor as per Sub-Clause (d) below. All payments shall be made within 30 (thirty) days of the receipt and acceptance of the invoice, provided that the Work has been satisfactorily completed and has been accepted by the Commission.
- (c) The making of any payment hereunder by the Commission shall not be construed as an unconditional acceptance by the Commission of the Work accomplished by the Contractor up to the time of such payment.
- (d) The Contractor shall submit an invoice electronically, from the Contractor's official e-mail address in PDF format, duly signed and stamped by the Contractor and submitted to the Commission's email address specified in Clause 22 below. Each invoice shall contain the Contract number (CTBTO and SAP numbers), detailed banking instructions, including the name and address of the Contractor's bank, account number, account holder's name and SWIFT, IBAN and/or ABA codes for payment by electronic transfer.

[PARAGRAPH (e) BELOW ONLY APPLIES IF THERE ARE TAXES (SEE CLAUSE 12 (d) ABOVE). IF NO TAXES ARE APPLICABLE UNDER THIS CONTRACT, PARAGRAPH (e) SHOULD BE OMITTED.]

(e) Applicable Taxes payable by the Contractor and/or its subcontractor(s) in respect of the Work shall be invoiced separately or be separately identified on the invoice. Actual payment of the Taxes must primarily be supported by original documentation such as invoices, bank account statements, transfer orders, or receipts issued by the local tax or customs authorities. If submission of such original documentation is not possible for justifiable reasons, their copies could be accepted by the Commission provided that they are duly signed and certified by local tax or customs authorities. In case the currency in which the Taxes are levied is not the currency of the Contract, bank statements (or equivalent) showing the exchange rate used for the conversion should be submitted to the Commission, in addition to any other supporting documentation.

14 TEMPORARY SUSPENSION OF WORK

The Commission may, at any time, temporarily suspend the Work, in whole or in part, being performed by the Contractor under this Contract by giving 30 (thirty) days' advance notice in writing to the Contractor. The Work so suspended shall be resumed by the Contractor on the basis of a revised time schedule and on terms and conditions to be mutually agreed upon between the Parties.

15 DELAYS AND EXTENSION OF TIME

(a) If the Contractor is delayed at any time in the progress of the Work by any act or omission of the Commission or by any of its employees, or by any other contractor employed by the Commission, or by changes in the Work ordered by the Commission, or by any causes beyond the Contractor's reasonable control, or by any other cause which the Commission determines may justify the delay, then the time for completion of the Work shall be extended by an amendment to this Contract in accordance with Clause 21 below for such reasonable time as the Commission may determine.

(b) Any request for extension of the time for reasons referred to in Clause 15(a) above shall be submitted to the Commission not later than 20 (twenty) days after the commencement of the delay, otherwise said request shall be deemed to be waived. Such request shall state grounds for the delay and shall provide an estimate of the probable effect of such delay on the progress of the Work.

16 CONTRACTOR'S CLAIMS AND REMEDIES

In no event shall the Contractor make any claim against the Commission for or be entitled to additional costs or compensation resulting from any delays in the progress or completion of the Work or any portion thereof, whether caused by the acts or omissions of the Commission, including, but not limited to, damages related to overheads, loss of productivity, acceleration due to delay and inefficiency. The Contractor's sole remedy in such event shall be an extension of time for completion of the Work, provided the Contractor otherwise meets the requirements and conditions set forth in this Contract.

17 ENTIRE AGREEMENT

This Contract represents the final agreement in respect of the Work and shall supersede all prior agreements and representations between the Parties in this respect. Annexes A to C shall constitute integral parts of this Contract and shall be of full force and effect.

18 DISCREPANCIES

If there are discrepancies or conflicts between any of the documents that are part of this Contract, the document to prevail shall be given precedence in the following order:

- (i) This document;
- (ii) The Commission's General Conditions of Contract (Annex A);
- (iii) The Commission's Terms of Reference (Annex B);
- (iv) The Contractor's Proposal (Annex C);
- (v) The relevant WO.

19 SEVERABILITY

If any term and/or provision of this Contract is or becomes invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions of this Contract shall not in any way be affected or impaired thereby.

20 NO WAIVER

Failure by a Party to enforce a right shall not be deemed to be a waiver of that right unless otherwise expressly provided in this Contract.

21 CONTRACT AMENDMENT

No modification of, or change in, this Contract, or waiver of any of its provisions, or additional contractual relationship with the Contractor shall be valid unless approved in the form of a written amendment to this Contract, signed by duly authorized Representatives of the Parties.

22 TRANSMISSION OF NOTICES AND OTHER DOCUMENTS

Notices, invoices, reports and other documentation under the Contract shall be delivered or sent to the relevant Party as follows (or to such person/title, address or email address as the Party may substitute by notice after the date of the Contract):

(a) The Commission:

For Contractual Issues:

Chief, Procurement Services Section

Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organization (CTBTO)

Vienna International Centre Wagramerstrasse 5, P.O. Box 1200 1400 Vienna, Austria

Tel: + (43 1) 26030 6350

E-mail: procurement@ctbto.org

For submission of invoices:

Accounts Payable CTBTO Financial Services Section Vienna International Centre Wagramerstrasse 5, P.O. Box 1200 1400 Vienna, Austria

Tel: + (43 1) 26030 6292 E-Mail: Payable Invoices@ctbto.org

For invoices and payments related enquiries:

Payments@ctbto.org

`	
	<i>Name:</i>
	<i>Title</i>

The Contractor:

(b)

Address
Tel:

Email: _____

23 EFFECTIVENESS

- (a) Except as provided below, any communication in connection with the Contract will be deemed to be given as follows:
 - (i) if delivered in person, at the time of delivery;
 - (ii) if by registered mail or courier, when received;
 - (iv) if by electronic communication, when retrievable by the Commission in document form.
- (b) A communication given under Clause 23(a) above that is received or becomes retrievable on a non-working day or after business hours at the seat of the Commission will only be deemed to be given on the next working day of the Commission.

24 SOFTWARE LICENCE

The Commission hereby grants the Contractor a non-exclusive, non-transferable, irrevocable license to use the Software for the duration of the Contract and for the purpose of doing the Work under the Contract. The use of the source code is only for the duration of the Contract and for the Work required under the Contract. All title, ownership rights and intellectual property rights in and to the Software shall remain with the Commission. The Contractor acquires no title, right or interest in the Software, other than the license(s) specifically granted herein by the Commission.

IN WITNESS hereof, the duly authorized Representatives of the Parties have executed this Contract:

For and on behalf of the PREPARATORY COMMISSION FOR THE COMPREHENSIVE NUCLEAR-TEST-BAN TREATY ORGANIZATION:

Name, Position/Title	
Date:	Place: <u>Vienna, Austria</u>
For and on behalf of [REGISTERED N A	AME OF THE CONTRACTOR]:
Name, Position/Title	
Date:	Place:

LIST OF ANNEXES

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ANNEX B: THE COMMISSION'S TERMS OF REFERENCE

ANNEX C: THE CONTRACTOR'S PROPOSAL

ANNEX B

TERMS OF REFERENCE

PROVISION OF SOFTWARE ENGINEERING SERVICES FOR THE DEVELOPMENT OF AN ATMOSPHERIC TRANSPORT ENSEMBLE MODELLING SYSTEM (ATM-EPS) ON A CALL-OFF BASIS

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1. INTRODUCTION

The Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty Organisation (hereafter referred to as the Commission), located in Vienna, Austria, is the international organization establishing the global verification system under the provisions of the Comprehensive Nuclear-Test-Ban Treaty (CTBT), which bans any nuclear explosion below or above the Earth's surface, underwater and on the surface of the water or in the atmosphere. The verification system includes the International Monitoring System (IMS), a global network of monitoring stations that employ waveform technologies (seismic, hydro-acoustic and infrasound) and radionuclide technologies (particulate and noble gases), a global satellite communications infrastructure (the GCI), an International Data Centre (IDC), and the capability to carry out on-site inspections (OSI).

The IDC supports the verification responsibilities of the Commission by providing data products and services for effective global monitoring. The IDC collects and analyses data from the IMS network to detect and locate possible nuclear events. At the IDC, data are automatically processed by computer algorithms and then interactively analysed and reviewed by human analysts. Near-real-time data and data products/bulletins are distributed by CTBTO's Preparatory Technical Secretariat (PTS) to the State Signatories.

More information on CTBTO is available at www.ctbto.org.

2. BACKGROUND

The atmospheric transport modelling (ATM) operational system deployed and used at the CTBTO produces source receptor sensitivity (SRS) fields which specify the location of the air masses prior to their arrival at any radionuclide station of the International Monitoring System (IMS) network. Consequently, the ATM computations support the radionuclide technology by providing a link between radionuclide detections and the regions in which possible sources are located.

The IDC uses its in-house developed ATM pipeline to produce Source-Receptor-Sensitivity (SRS) data files as its standard ATM product. Each SRS field is a matrix containing values indicating the dilution factors of an initial air tracer concentration transported for a specific period by means of meteorological data from the European Centre for Medium-Range Weather Forecasts (ECMWF) and the National Centers for Environmental Prediction (NCEP). The SRS result is based on a backward simulation (from an initial to an earlier time) and aims to reveal a source region from which one or more potential radionuclide (RN) releases related to detections at RN stations might have originated. ATM simulations from an initial to a later time, on the other hand, the so-called forward mode, also produces an SRS file, a so-called plume file, which may be required to enhance RN monitoring satisfactorily when there is knowledge of a potential source location by forecasting where the plume heads and which IMS station might be affected the days following a source event.

Understanding the uncertainties in ATM predictions enhances confidence in analysing signals from nuclear test explosions detected by the IMS, along with various other applications of ATM. These uncertainties foremost entail input uncertainty involving meteorological data and parameters of the transport and dispersion model, next to model uncertainty arising from erroneously handling physical processes and turbulence, which introduces an uncertainty which is inherently stochastic in nature. Uncertainties in descriptions of industrial releases (known sources) need to be considered when ATM predictions are compared to background measurements or measurements are used to determine source terms. The uncertainties related to meteorology can be quantified using a dispersion forecast ensemble, which is a set of corresponding runs (using one model) rather than a single run. Since dispersion ensemble modelling is computationally expensive, reducing the ensemble size is of importance for the operational ATM model runs done at the IDC, which require hundreds of ATM simulations daily.

The Atmospheric Transport Ensemble Modelling System (ATEMS) project provides IDC's ATM capacity with an Ensemble Prediction System (ATM-EPS) utilizing the right amount of dispersion ensemble members based on the latest scientifically published developments. IDC's current ATM operational system, housing the ATM model FLEXPART-CTBTO, is based on the Lagrangian particle dispersion model FLEXPART and can deliver the computational performance gains (reliability and processing power) necessary for running the ensemble prediction software components. The ATEMS project aims at facilitating a) forward modelling hypothesis runs, b) backward ensemble computations producing enhanced SRS file sets, and c) performance studies on time series uncertainty analyses for source-term inversion and background estimation conducted at the CTBTO.

The Preparatory Commission seeks to establish a Call-off Contract for the provision of services (hereinafter referred to as "the Services" or "the Work") to develop an Atmospheric Transport Ensemble Modelling System (ATEMS) under the terms outlined in these Terms of Reference (hereinafter referred to as "ToR").

3. ORGANIZATION OF WORK

The Commission may ask for Services described in Section 4.

3.1 WO Project call-off

The work will be called off in the form of Work Orders (WOs). Each WO shall include the exact scope of work and the required deliverables to be performed and delivered by the Contractor and the related acceptance criteria.

3.1.1 Initiating work

Since the IDC follows the Scrum software development methodology, WOs generally follow Scrum sprints and cover software development services to be performed within approximately four (4) weeks. Therefore, a WO is issued during a sprint planning meeting, and the work items to be addressed in that WO (sprint) are recorded in the Commission's Jira-based tracking system. Initiation of the sprint constitutes the issuance of the WO. In the case of a WO issued outside of the Scrum framework, the Commission will supply the work to be performed in writing to the Contractor. The Contractor shall respond with an estimate of the number of person-days required to complete the work and the delivery date. After the estimate and delivery date are accepted, the Commission will issue the WO to the Contractor. The Contractor shall perform the work only after receipt of the WO.

3.1.2 Completion and acceptance

At the end of a particular WO, the Contractor shall submit to the Commission the deliverables within the period of performance stated in the respective WO. The deliverables may include:

- Updated Software Design Documents.
- Updated Software User Guide.
- Description of how to use the programming interfaces developed under this Contract.
- Updated source code or configuration files.
- WO Report.

Typically, in accordance with the Scrum methodology, the Contractor will present the work performed during the sprint, including demonstrations of the newly developed software, within the Sprint Review meeting.

4. SCOPE OF WORK

This section describes the scope of work under the Contract.

At the time when the work is called off (see Section 3 for the organization of work), the detailed scope of the Services shall be defined.

4.1 Objectives

The objective of the Project is for supplying scientific and software engineering services for:

- a) An uncertainty quantification methodology (or rank of methodologies) for ATM dispersion ensembles based on established scientific methods and perturbed meteorological model runs.
- b) A procedure (or rank of procedures) to confine the findings under a) for:
 - i. Backward model run functionalities for enhanced standard products (SRS data).
 - ii. Forward modelling hypothesis tests (SRS data).
- c) The development of a user-friendly software component based on the assessment and implementation of the outcome under b) that can interact with the ATM model FLEXPART-CTBTO.
- d) A demonstration of the maturity of the software for a potential upgrade to the ATM pipeline based on the developments under c).
- e) Measuring on the CTBTO systems the performance of the procedure (or rank of procedures) under b) through case studies pertaining to time series uncertainties for source-term inversion and background estimation studies done at the CTBTO, incorporating measurements and possible source emission data were applicable.

If requested by the Commission in a WO, the Contractor shall support the Commission in the Services defined under Section 4.2.

4.2 Requested services

4.2.1 Familiarization with precursor projects

Should the Contractor not be familiar with past work (e.g., IDC's EU-VII precursor project "Quantifying uncertainties and confidence level in ATM simulations"), they shall interview and work with the staff of the Commission to study and learn about its scope and results. This brief familiarization is required to be able to perform the Services and is expected to take place only once and is expected to take up to a maximum of 5 person-days during the first call-off period.

4.2.2 Selection of tasks

Tasks that may be required from the Contractor:

- 1. Identify and assess prospective scientific methods for uncertainty quantification suitable for ATM dispersion ensembles.
- 2. Implement a data management plan showing the flow of data required from start to finish: From access to perturbed meteorological model runs (weather ensemble data) to the interface with the ATEMS/ATM-EPS (addressing FLEXPART) to data visualization.
- 3. Develop or modify the ATM pipeline for operational readiness to generate ensemble SRS files.

- 4. Add a new functionality for ensembles to the existing FLEXPART launching interface.
- 5. Test the new system for relevant case studies.
- 6. Support the deployment of software under development following IDC change management processes.
- 7. Write, review, and update software documentation and procedures and enhance workflow status monitoring, logging, and reporting.
- 8. Perform other related tasks as may be requested in the WO.

4.3 Output and deliverables

The Contractor shall submit a report for each WO, as defined in Section 3.1.2, to the Commission electronically via email and within the first five (5) working days after the WO finished, describing all the activities performed during the preceding WO, including but not limited to:

- A summary of tasks done.
- A summary of problems that have arisen.
- The status of tickets, bug reports, and possible fixes (if applicable).
- The status of all active development tasks.
- Intermediate results if available.
- An updated plan for all active development tasks.
- Time spent on each activity worked on.

All documentation shall adhere to the IDC Software Documentation Standard, which expresses precise requirements for elaborating, reviewing, approving, and using IDC software-related documents. This Standard will be shared with the Contractor at the start of the project. Guidelines and recommendations from this Standard are required for the deliverables described in Section 3.1.2.

5. WORK LOCATION AND TIMEFRAME

5.1 Location of performance

For all tasks, the Contractor's personnel will be expected to work off-site of the premises of the Commission in Vienna, Austria. The Commission will provide the Contractor remote access to the relevant infrastructure in the PTS network. The infrastructure comprises but is not limited to, software, servers, web services, LANs, and databases.

The Contractor may be required to travel to the premises of the Commission in Vienna, Austria, as applicable for a three-day two-person visit once every 12 months. The dates for the on-site days will be agreed between the Commission and the Contractor before issuing the WOs. In case on-site work is required, the Commission will provide at its premises a suitable work environment (workspace, meeting rooms for presentations and trainings, standard stationery, internet connection) to the Contractor's personnel to perform the services under the Contract, as required.

All travel arrangements shall be the Contractor's responsibility if travel is required. The Commission shall reimburse flight ticket costs based on the most direct and economical route upon presentation of supporting documents and in accordance with the Contract provisions.

Per-diem amounts shall be based on the applicable United Nations Daily Subsistence Allowance (DSA) rates provided by the International Civil Service Commission (ICSC).

5.2 Timeframe

The Commission seeks to establish a Call-Off Contract for Work during a period from the entry into force of the Contract until 30 November 2026 or the performance of a maximum of 290 person-days by the Contractor, whichever occurs first. At its sole discretion, the Commission reserves the right to call off fewer or no person days at all.

The commencement and completion date for the performance of the work will be set out in the respective WO.

6. REQUIREMENTS FOR THE CONTRACTOR

6.1 Contractor's responsibilities

For off-site work, the Contractor shall provide its own infrastructure, hardware, and software environment necessary to complete its work under the Contract. The Contractor shall communicate with the Commission via video conferencing (preferably MS Teams), electronic mail, or telephone. All costs incurred by the Contractor because of such communication with the Commission for the performance of work under the Contract shall be borne by the Contractor.

The Commission has a change management process that covers reporting and tracking software problems and releases software updates in its Development, Testbed, and Operational environments. An Integrated Ticketing System based on the Jira software supports this change management process. The Contractor personnel shall familiarize themselves with this process and follow it when applying changes and releasing software, including recording the time spent in each WO. The Commission's Configuration Change Board shall approve all software and configuration changes.

The Contractor shall deliver a source code through incremental releases according to the Agile software development methodology (preferably Scrum). In particular, the Contractor shall follow the "Release Early, Release Often" (RERO) software development philosophy, which emphasizes the importance of early and frequent releases in creating a tight feedback loop between developers, testers, and users. Each new delivery shall include a description of what changes were made relative to the previous release and a list of files modified by each change.

All source code developed under this Contract shall follow the IDC Coding Standards (which include recommended coding style, the required implementation of unit tests, and use of open standards and open-source libraries where possible) and shall compile and run under the Linux operating system family (currently RHEL/CentOS 7.x). The IDC guidelines for requirements engineering shall form the basis for eliciting and documenting requirements.

The Contractor shall work with the Git/GitLab version control system to maintain the software. All source code releases shall be delivered via this version control system.

6.1.1 Contractor's key personnel

The Contractor shall provide key personnel with demonstrated capability and capacity to perform the Services described in Section 4 above. The Contractor's key personnel shall also have demonstrated compliance with the requirements set out in Section 6.3. At a minimum, the following information shall be provided for each of these key personnel:

Name

Nationality

Role

Employed since

(Also specify whether the key personnel are a permanent member or are contracted for the duration of the Contract on an ad-hoc basis.)

Type(s) of Service(s) from Section 4, which the key personnel will perform.

Curriculum Vitae

The activities under this project are financed by the European Commission, and the Contract shall not be made available to, or for the benefit of, third parties – whether entities, individuals or groups of individuals - designated by the EU as subject to restrictive measures in the lists provided at www.sanctionsmap.eu.

6.1.2 Maintenance of the key personnel; conditions of amendment

The Contractor shall maintain an up-to-date version of the key personnel (hereinafter called "Team Roster") for the duration of the Contract. The Contractor shall inform the Commission when personnel is to be removed or added to the Team Roster and if personnel details are modified.

If the Commission determines, at its sole discretion, that the Team Roster lacks the capacity or capability to perform a specific work within the specified timeframe or quality. In that case, the Contractor shall provide, within five (5) working days after the Commission makes a request, the details of skilled and experienced personnel to be added to the Team roster for consideration by the Commission.

The Commission shall be entitled to confirm whether the proposed Team roster amendment is acceptable.

Before issuing a WO, as described in Section 3.1.1, the Contractor is requested to propose a list of personnel to the Commission working under this WO. The Team shall be selected from the Team roster.

The Contractor shall ensure that each Team member:

- Is dedicated to the project during the contract period (unless otherwise agreed).
- Is not reassigned from the project without the prior written consent of the Commission.

The Contractor shall satisfy the following mandatory requirements for the initial key personnel assigned to the Project:

- An established pre-screening process to identify suitable staff.
- By naming a relevant successful project in the CV, provide reasonable evidence that the proposed Team is appropriately skilled and experienced to carry out the WO.

The Contractor shall satisfy the following mandatory requirements at the start and throughout the Contract:

- Familiarization with IDC's IT infrastructure and services is required and should be conducted right from the start as part of the first WO.
- Provision of training to address a gap in knowledge identified after a Team member has started their assignment, at no cost to the Commission, upon request by the Commission.
- Adding or replacing poor-performing Team members at no cost to the Commission upon request by the Commission.

The Commission shall be entitled to confirm whether the proposed Team is acceptable.

The Commission reserves the right to seek an immediate replacement for any Team member deemed unsuitable for the assigned tasks as determined by the Commission. If no suitable replacement can be provided by the Contractor, the Commission reserves the right to terminate the assignment of the unsuitable Team member with immediate effect. Continuity of personnel for the full implementation of this Contract is an important consideration. Therefore, the Contractor shall take necessary measures to

ensure a seamless transition when taking over the Services and keep changes to personnel assigned to the Commission to a minimum throughout the duration of the Contract.

6.2 Contractor's requirements

The Contractor shall satisfy and prove the following mandatory requirements:

- a) The Contractor shall have extensive experience in scientific methods research projects of similar scope and complexity of which results appeared in at least four (4) peer-reviewed publications.
- b) The Contractor shall have extensive experience in developing scientific software engineering solutions of similar scope and complexity.
- c) The Contractor shall provide a confirmation that the staff turnover has been below 20% per year over the past three (3) years.
- d) The Contractor shall provide a confirmation of a minimum of one (1) year experience working with modern issue tracking and ticket management systems, preferably Jira.
- e) The Contractor shall provide a confirmation of the warranty period of two (2) years after the completion of the user acceptance testing. Terms and conditions of post-warranty support and bug fixes shall be available and clearly specified.
- f) The Contractor shall provide a confirmation that they will be able to adjust the working hours of staff assigned to the Team for a sprint meeting that overlaps at least two hours with the Commission's working hours (9 a.m. to 5 p.m. CET/CEST).
 - ✓ A monthly sprint meeting is foreseen, but this might change to any time frame as deemed necessary by the Commission.

6.3 Contractor's key personnel requirements

6.3.1 Requirements for staff on the Team roster

The Contractor shall ensure that the following minimum requirements are met by at least one (1) team member to provide support as part of the Services. The Contractor shall also ensure the continuity of having at least one (1) member meeting the following minimum requirements at the start and throughout the Contract (for example, when the original one (1) member needs to be replaced).

Said minimum requirements are:

- a) Advanced university degree in Physics, Mathematics, or Computer Science, or a related scientific/ technical subject.
- b) Knowledge of atmospheric transport modelling (ATM) of similar scope and complexity is mandatory, demonstrated by at least four (4) peer-reviewed publications.
- c) Extensive demonstrated experience with the FLEXPART Lagrangian Particle Dispersion Model is mandatory. Proven experience implies a list of at least two (2) projects related to the scope of the Services defined in Section 4.
- d) Extensive demonstrated experience in using meteorological ensembles for dispersion modelling and uncertainty quantification. Proven experience implies at least three (3) peer-reviewed publications related to the scope of the Services defined in Section 4.
- e) A good understanding of software development methodologies. Shortly describe the software development methodologies used in the recent past.

- f) Extensive experience in the last ten (10) years in developing software solutions in the scientific domain. Details about at least four (4) projects of similar complexity need to be provided.
- g) The automatization of the ATM pipeline is mostly written in Perl. The experience with Perl needs to be demonstrated by at least two (2) projects.
- h) Most of the ATM pipeline components (e.g. FLEXPART and SRS generator) are written in Fortran. The experience with Fortran needs to be demonstrated by at least four (4) projects.
- i) Most of the ATM post-production software is written in Python. Demonstrated experience with Python by at least four (4) projects.
- j) Have at least two (2) projects demonstrating a practical utilization of Git and GitLab.
- k) Experience in radionuclide analysis is an **advantage**. Details must be provided.
- 1) Excellent communication skills in English are essential.

The Team proposed by the Contractor shall, as complementary as possible, fulfil the above minimum requirements.

7. RISK MANAGEMENT

The Contractor shall provide a business continuity plan and a thorough risk assessment plan at the project's commencement to identify potential risks that could impact the successful execution of the outlined software development activities in these Terms of Reference, including contingency plans, as appropriate. Risks may include but are not limited to technical challenges, changes in project requirements/scope, resource constraints, schedule delays, integration difficulties, and third-party software dependencies. The risk assessment plan should be consistently updated, aligning with the delivery of project milestones or significant accomplishments.

Upon the project's satisfactory completion, the Contractor is obligated to conduct a final review of the initially identified risks. Risks that have been effectively mitigated or did not materialize should be officially closed, accompanied by appropriate documentation. The insights gained from the risk management process should be methodically documented and shared with the Commission, thereby contributing to the knowledge repository for forthcoming software development endeavours.

The Contractor shall provide a Risk Management plan in its Proposal.

STATEMENT OF CONFIRMATION

On behalf of (name of firm or organization):	, I her	reby
attest and confirm that:		

- a) The firm/organization possesses the legal status and capacity to enter into legally binding contracts with the Commission for the supply of equipment, supplies, services or work.
- b) The firm/organization is not insolvent, in receivership, bankrupt or being wound up, and not under administration by a court or a judicial officer, and that it is not subject to the suspension of its business or legal proceedings for any of the foregoing reasons.
- c) The firm/organization has fulfilled all its obligations to pay taxes and social security contributions.
- d) The firm/organization has not, and that its directors and officers have not, within the last five years been convicted of any criminal offense related to professional conduct or the making of false statements or misrepresentations as to their capacity or qualifications to enter into a procurement or supply contract.
- e) The Commission, in the event that any of the foregoing should occur at a later time, will be duly informed thereof, and in any event, will have the right to disqualify the firm/organization from any further participation in procurement proceedings.
- f) The firm/organization did not/will not attempt to influence any other bidder, organization, partnership or corporation to either submit or not submit a proposal/bid/quotation.
- g) The firm/organization will not, in the absence of a written approval from the Commission, permit a person to contribute to, or participate in, any process relating to the preparation of a Quotation/Bid/ Proposal or the procurement process if the person:
 - a. at any time during the 12 months immediately preceding the date of issue of the Solicitation was an official, agent, servant or employee of, or otherwise engaged by the Commission;
 - b. at any time during the 24 months immediately preceding the date of issue of the Solicitation was an employee of the Commission personally engaged, directly or indirectly, in the definition of the requirements, project or activity to which the Solicitation relates.
- h) Neither the organization/firm, its parent entities (if any), nor any of its subsidiary or affiliated entities (if any) have been identified on, or associated with any individual, groups, undertakings and entities identified on, the list established pursuant to the UN Security Council Resolution 1267 (Consolidated Sanctions List).¹
- i) Neither the organization/firm, its parent entities (if any), nor any of its subsidiary or affiliated entities (if any) are subject to any form of sanction imposed by an organization or body within the United Nations System, including the World Bank.

¹The Consolidated United Nations Security Council Sanctions List can be found on the following website: https://www.un.org/securitycouncil/content/un-sc-consolidated-list

- j) Neither the organization/firm, its parent entities (if any), nor any of its subsidiary or affiliated entities (if any), is engaged in any practice inconsistent with the rights set forth in the Convention on the Rights of the Child, including Article 32 thereof, which, inter alia, requires that a child shall be protected from performing any work that is likely to be hazardous or to interfere with the child's education, or to be harmful to the child's health or physical, mental, spiritual, moral, or social development.
- k) Neither the organization/firm, its parent entities (if any), nor any of its subsidiary or affiliated entities (if any) will use the funds received under contracts/purchase orders with the Commission to provide support to individuals, groups, undertakings or entities associated with terrorism.
- 1) The prices in the firm/organization's proposal/bid/quotation have been arrived at independently, without consultation, communication or agreement with any other interested companies, competitor or potential competitor with a view to restricting competition.
- m) The Commission shall have the right to disqualify the firm/organization from participation in any further procurement proceedings, if it offers, gives or agrees to give, directly or indirectly, to any current or former staff member of the Commission a gratuity in any form, an offer of employment or any other thing of service or value, as an inducement with respect to an act or a decision of, or a procedure followed by, the Commission in connection with a procurement proceeding.
- n) The Commission shall have the right to disqualify the firm/organization from participation in any further procurement proceedings if it does not disclose to the Commission any situation that may appear as a conflict of interest, and if it does not disclose to the Commission if any official or professional under contract with the Commission have an interest of any kind in the firm/organization's business or any kind of economic ties with the firm/organization.
- o) The firm/organization expressly agrees to abide by the United Nations Supplier Code of Conduct.¹

Name (print):	Signature:	
Title/Position:		
Place (City and Country):	Date:	

¹ https://www.un.org/Depts/ptd/about-us/un-supplier-code-conduct

VENDOR PROFILE FORM (VPF) – FOR PRODUCTS/SERVICES/WORK				
1. Name of Company:				
2. Street Address:	3. Telephone:			
P.O. Box: City:	4. E-Mail:			
Zip Code: Country:	5. Website:			
6. Contact Person: Title:				
7. Legal Status (e.g. Partnership, Private Limited Company, Government Institution) PLEASE INCLUDE A COPY OF THE CERTIFICATE OF INCORPORATION				
8. Year Established: 9. Number of Employees:				
10. Gross Corporate Annual Turnover (US\$m)*: 11. Annual Export Turnover (US\$m)*:				
12. Type of Business/Products: Manufacturer Sole Agent Supplier Other (please explain)				
13. Type of Business/Services/Work: Engineering Civil Work Governmental Institution Other (please explain)				
14. References (your main customers, country, year and technical field of products, services or work): **				
15. Previous Supply Contracts with United Nations Organizations (over the last 3 years)**				
Organization: Value in US\$ Equiva	llent: Year:			
Organization: Value in US\$ Equiva				
16. Summary of any changes in your company's ownership during the last 5 years:				

Please provide a copy of the most recent audited annual report and accounts. Note: Export includes services or work performed abroad or for foreign clients. Please provide supplementary documentation on these items.

17. List of Products/Services/Work offered:				
Product/Service/Work # Product/Service/Work Description				
	CC 11 11 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 10 0		
18. This section shall be signed and stamped by an your organization:	official legally authorized to enter i	into contracts on behalf of		
Name: Title:	Signature:	Date:		
Bank Details	Beneficiary Details			
Bank Name:	Beneficiary Name: (exactly as stated on bank statements)			
Bank Address:	IBAN:			
Exact Account Holder Name:	(if applicable)			
Exact recount fronter (vanie)	Account number:			
	SWIFT/BIC:			
	ABA/Sort Code:			
Additional Details (if applicable)				
Correspondent bank:				
Correspondent account number:				
Correspondent SWIFT/BIC:				
Tax Identification Number:				
	ΓΒΤΟ USE ONLY nitials	Date:		
-				
Updated By:	itials	Date:		
Remarks:				

- Please provide a copy of the most recent audited annual report and accounts. Note: Export includes services or work performed abroad or for foreign clients. Please provide supplementary documentation on these items.