|  |  |  |
| --- | --- | --- |
| AFRICAN UNION | logo | UNION AFRICAINE |
|  | UNIÃO AFRICANA |
| Addis Ababa, ETHIOPIA P. O. Box 3243 Tel: +251 (0)11-551 7700 Fax: +251 (0)11-551 0430 **Website : www.africa-union.org** | | |

**AFRICAN UNION COMMISSION**

|  |
| --- |
| **Invitation to Bid (ITB)-Goods** |

**Supply, Delivery & Installation of GMES &Africa Stations and Delivery of Training**

**Procurement Number: AUC/HRST/G003**

# Section I

## Invitation for Bids

The African Union Commission with support from the European Commission has set aside funds for the purchase of 12 (twelve) Earth Stations for the Human Resources Science and Technology’s (HRST) Global Monitoring for Environment and Security (GMES) and Africa. The Commission now invites sealed bids from eligible bidders for Supply, Delivery & Installation of GMES &Africa Stations and Delivery of Training whose specifications are detailed in the bid document.

Bidders are required to furnish the following:

* **Valid registration documents**
* **Dealership certificates or Manufacturer’s authorisation form (if not the manufacturer)**
* **Duly signed bid form in the format attached to the bid document**
* **Details of after sales service**
* **Warranty period for the items**

The **deadline** for submission of bids is **13 September 2019** at **1500hrs Addis Ababa time. Late bids will not be accepted.**

Sealed bids will be opened on **13 September 2019** at immediately after the deadline for submission in the presence of bidders or bidders’ representatives who choose to attend, at the address below.

Both technical and financial offers should be in the same envelope. Late bids will be rejected and returned unopened to bidders.

Clarifications should be addressed to: e-mail: [Tender@africa-union.org](mailto:Tender@africa-union.org);

##### The telephone number is (+251) 11 5517700, Ext 4526, 4341

Fax number: **+251-11-5517844**

The address for submission of bids is:

**Procurement, Travel and Stores Division;**

**The African Union Commission;**

**P. O. Box 3243;Roosevelt Street**

**3rd Floor, Building C**

**Addis Ababa, Ethiopia**

**SUPPLIERS CHECKLIST PRIOR TO SUBMISSION OF BID DOCUMENT**

|  |  |  |
| --- | --- | --- |
| **No** | **Description** | **Tick** |
| 1 | Duly filled and signed **bid form** (Section VIII of the bid document) |  |
| 2 | Duly filled Financial offer |  |
| 3 | Bid validity (90 days) |  |
| 4 | Read and understood technical specifications, See Section 7 of the bid document |  |
| 5 | One original, two copies of the bid document |  |
| 6 | Read and understood the bid data (section 3) |  |
| 7 | Attached copies of relevant Registration documents such as |  |
| 1. Certificate of incorporation |  |
| 1. Dealership Certificates or Manufacturer’s authorization form |  |
| (iii) Audited Financial Statements for the past 3 years |  |
|  |  |
|  |  |  |

## Table of Clauses

A. Introduction 5

1. Source of Funds 5

2. Eligible Bidders 5

3. Eligible Goods and Services 5

4. Cost of Bidding 6

B. The Bidding Documents 6

5. Content of Bidding Documents 6

6. Clarification of Bidding Documents 6

7. Amendment of Bidding Documents 7

C. Preparation of Bids 7

8. Language of Bid 7

9. Documents Constituting the Bid 7

10. Bid Form 8

11. Bid Prices 8

12. Bid Currencies 10

13. Documents Establishing Bidder’s Eligibility and Qualification 10

14. Documents Establishing Goods’ Eligibility and Conformity to Bidding Documents 11

15. Bid Security 12

16. Period of Validity of Bids 14

17. Format and Signing of Bid 14

D. Submission of Bids 15

18. Sealing and Marking of Bids 15

19. Deadline for Submission of Bids 15

20. Late Bids 16

21. Modification and Withdrawal of Bids 16

E. Opening and Evaluation of Bids 16

22. Opening of Bids by the Purchaser 16

23. Clarification of Bids 17

24. Preliminary Examination 17

25. Conversion to Single Currency 18

26. Evaluation and Comparison of Bids 19

27. Margin of Preference 24

28. Contacting the Purchaser 25

F. Award of Contract 26

29. Post-qualification 26

30. Award Criteria 26

31. Purchaser’s Right to Vary Quantities at Time of Award 26

32. Purchaser’s Right to Accept Any Bid and to Reject Any or All Bids 27

33. Notification of Award 27

34. Signing of Contract 27

35. Performance Security 27

36. Corrupt or Fraudulent Practices 28

# Section II. Instructions to Bidders

A. Introduction

|  |  |
| --- | --- |
| 1. Source of Funds | 1.1 The Commission of the African Union (AUC) (hereinafter called “the Purchaser”) has received financing from the European Commission towards the cost of the procurement specified in the Bid Data Sheet, and intends to apply a portion of the funding to eligible payments under a contract for which this Invitation for Bids is issued. |
| 2. Eligible Bidders | 2.1 This Invitation for Bids is open to all suppliers from eligible source countries except as provided hereinafter.  2.2 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.  2.3 Bidders must not be under a declaration of suspension for corrupt, fraudulent, collusive, coercive or obstructive practices as issued by the African Union in accordance with ITB Clause 36.1. |
| 3. Eligible Goods and Services | 3.1 All goods and related services to be supplied under the contract shall have their origin in eligible source coun­tries as defined in the Bid Data Sheet.  3.2 For purposes of this clause, “origin” means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially-recognised product results that is substantially different in basic characteristics or in purpose or utility from its components.  3.3 The origin of goods and services is distinct from the nationality of the Bidder. |
| 4. Cost of Bidding | * 1. The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Purchaser will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process. |

B. Bidding Documents

|  |  |
| --- | --- |
| 5. Content of Bidding Documents | 5.1 The goods required, bidding procedures, and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:  (a) Instructions to Bidders (ITB)  (b) Bid Data Sheet (BDS)  (c) General Conditions of Contract (GCC)  (d) Special Conditions of Contract (SCC)  (e) Schedule of Requirements  (f) Technical Specifications  (g) Bid Form and Price Schedules  (h) Contract Form  (i) Performance Security Form  (j) Bank Guarantee Form for Advance Payment  (k) Manufacturer’s Authorisation Form  5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to provide all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the Bidder’s risk and may result in the rejection of its bid. |
| 6. Clarification of Bidding Documents | 6.1 A prospective Bidder requiring any clarification of the bidding documents may notify the Purchaser in writing at the Purchaser’s address indicated in the Bid Data Sheet. The Purchaser will respond in writing to any request for clarification of the bidding documents which it receives no later than fifteen (15) days prior to the deadline for the submission of bids prescribed in ITB Clause 19.1. Written copies of the Purchaser’s response (including an explanation of the query but without identifying the source of inquiry) will be sent to all prospective bidders that have received the bidding documents. |
| 7. Amendment of Bidding Documents | 7.1 At any time prior to the deadline for submission of bids, the Purchaser for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, may modify the bidding documents by amendment.  7.2 All prospective bidders that have received the bidding documents will be notified of the amendment in writing and the amendment will be binding on them.  7.3 To allow prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Purchaser, at its discretion, may extend the deadline for the submission of bids. |

C. Preparation of Bids

|  |  |
| --- | --- |
| 8. Language of Bid | 8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Purchaser shall be written in the language specified in the Bid Data Sheet. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages to the language specified in the Bid Data Sheet, in which case, for purposes of interpretation of the Bid, the translation shall govern. |
| 9. Documents Constituting the Bid | 9.1 The bid prepared by the Bidder shall comprise the following components:  (a) a Bid Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12;  (b) documentary evidence established in accordance with ITB Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;  (c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and  (d) bid security furnished in accordance with ITB Clause 15. |
| 10. Bid Form | * 1. The Bidder shall complete, sign and stamp the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, and their country of origin, quantity, and prices.   2. Unless otherwise indicated in the Bid Data Sheet, alternative bids shall not be considered.   3. In completing the Bid Form the Bidder shall note in particular the provisions of GCC Clause 33 in respect of Taxes and Duties. |
| 11. Bid Prices | 11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.  11.2 Prices indicated on the Price Schedule shall be entered separately in the following manner:  (a) For goods offered from within the Country specified for delivery:  (i) the price of the goods quoted EXW (ex - works, ex - factory, ex warehouse, ex showroom, or off-the-shelf, as applicable), excluding all customs duties and sales and other taxes payable that are subject to the African Union exemption on payment of duties and taxes;  (ii) any such duties and taxes payable on the goods, that will be exempted if the Contract is awarded;   1. the price for inland transportation, insurance, and other local costs incidental to delivery of the goods to their final destination, if specified in the Bid Data Sheet; and   (iv) the price of other (incidental) services, if any, as listed in the Bid Data Sheet.  (b) For goods offered from abroad:  (i) the price of the goods shall be quoted CIF named port of destination, or CIP border point, or CIP named place of destination, as specified in the Bid Data Sheet. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible countries. Similarly, the Bidder may obtain insurance services from any eligible source country;  (ii) the price of the goods quoted FOB port of shipment (or FCA, as the case may be), if specified in the Bid Data Sheet;  (iii) the price of goods quoted CFR port of destination (or CPT as the case may be), if specified in the Bid Data Sheet;   1. the price for inland transportation, insurance, and other local costs incidental to delivery of the goods from the port of entry to their final destination, if specified in the Bid Data Sheet; and   (v) the price of other (incidental) services, if any, as listed in the Bid Data Sheet.   * 1. The terms EXW, CIF, CIP, etc., shall be governed by the rules prescribed in the current edition of *Incoterms* published by the International Chamber of Commerce, Paris.   11.4 The Bidder’s separation of price components in accordance with ITB Clause 11.2 above will be solely for the purpose of facilitating the comparison of bids by the Purchaser and will not in any way limit the Purchaser’s right to contract on any of the terms offered.  11.5 Prices quoted by the Bidder shall be fixed during the Bidder’s performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet. A bid submitted with an adjustable price quotation will be treated as non-responsive and will be rejected, pursuant to ITB Clause 24. If, however, in accordance with the Bid Data Sheet, prices quoted by the Bidder shall be subject to adjustment during the performance of the contract, a bid submitted with a fixed price quotation will not be rejected, but the price adjustment would be treated as zero.  11.6 If bids are invited for individual contracts (lots) or for any combination of contracts (packages), bidders wishing to offer any price reduction for the award of more than one Contract, shall specify in the bid the price reductions applicable to each package, or alternatively, to individual Contracts within the package. |
| 12. Bid Currencies | 12.1 Prices shall be quoted in the following currencies:  (a) For goods and services that the Bidder will supply from within the Country specified for delivery, the prices shall be quoted in currency of the Country specified for delivery, unless otherwise specified in the Bid Data Sheet.  (b) For goods and services that the Bidder will supply from outside the Country specified for delivery, the prices shall be quoted in US Dollars unless otherwise specified in the Bid Data Sheet. If the Bidder wishes to be paid in a combination of amounts in different currencies, it may quote its price accordingly but use no more than three currencies. |
| 13. Documents Establishing Bidder’s Eligibility and Qualification | 13.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the Bidder’s eligibility to bid and its qualifications to perform the contract if its bid is accepted.  13.2 The documentary evidence of the Bidder’s eligibility to bid shall establish to the Purchaser’s satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.  13.3 The documentary evidence of the Bidder’s qualifications to perform the contract if its bid is accepted shall establish to the Purchaser’s satisfaction:  (a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorised by the goods’ Manufacturer or producer to supply the goods in the Country specified for delivery;   1. that the Bidder has the financial, technical, and production capability necessary to perform the contract;   (c) that, in the case of a Bidder not doing business within the Country specified for delivery, the Bidder is or will be (if awarded the contract) represented by an Agent in the Country specified for delivery equipped and able to carry out the Supplier’s maintenance, repair, and spare parts‑stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and  (d) that the Bidder meets the qualification criteria listed in the Bid Data Sheet. |
| 14. Documents Establishing Goods’ Eligibility and Conformity to Bidding Documents | 14.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract.  14.2 The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.  14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:  (a) a detailed description of the essential technical and performance characteristics of the goods;  (b) a list giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the Bid Data Sheet, following commencement of the use of the goods by the Purchaser; and  (c) an item-by-item commentary on the Purchaser’s Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.  14.4 For purposes of the commentary to be furnished pursuant to ITB Clause 14.3(c) above, the Bidder shall note that standards for workmanship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Purchaser in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Purchaser’s satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications. |
| 15. Bid Security | 15.1 Pursuant to ITB Clause 9, the Bidder shall furnish, as part of its bid, a bid security in the amount specified in the Bid Data Sheet.  15.2 The bid security is required to protect the Purchaser against the risk of Bidder’s conduct which would warrant the security’s forfeiture, pursuant to ITB Clause 15.7.  15.3 The bid security shall be denominated in the currency of the bid or in another freely convertible currency, and shall be in one of the following forms:  (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank, in the form provided in the bidding documents or another form acceptable to the Purchaser and valid for thirty (30) days beyond the validity of the bid; or  (b) a certified cheque.  15.4 Any bid not secured in accordance with ITB Clauses 15.1 and 15.3 will be rejected by the Purchaser as non-responsive, pursuant to ITB Clause 24.  15.5 Unsuccessful bidders’ bid securities will be discharged or returned as promptly as possible but not later than thirty (30) days after the expiration of the period of bid validity prescribed by the Purchaser pursuant to ITB Clause 16.  15.6 The successful Bidder’s bid security will be discharged upon the Bidder signing the contract, pursuant to ITB Clause 34, and furnishing the performance security, pursuant to ITB Clause 35.  15.7 The bid security may be forfeited:  (a) if a Bidder:  (i) withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form, or  (ii) does not accept the correction of errors pursuant to ITB Clause 24.2; or  (b) in the case of a successful Bidder, if the Bidder fails:  (i) to sign the contract in accordance with ITB Clause 34; or  (ii) to furnish the performance security in accordance with ITB Clause 35. |
| 16. Period of Validity of Bids | 16.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid submission prescribed by the Purchaser, pursuant to ITB Clause 19. A bid valid for a shorter period shall be rejected by the Purchaser as non-responsive.  16.2 In exceptional circumstances, the Purchaser may solicit the Bidder’s consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided under ITB Clause 15 shall also be suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in ITB Clause 16.3.  16.3 In the case of fixed price contracts, if the award is delayed by a period exceeding sixty (60) days beyond the expiry of the initial bid validity, the contract price may be increased by a factor specified in the request for extension. |
| 17. Format and Signing of Bid | 17.1 The Bidder shall prepare an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each “ORIGINAL BID” and “COPY OF BID,” as appropriate. In the event of any discrepancy between them, the original shall govern.   * 1. The original and all copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorised to bind the Bidder to the contract. All pages of the original bid, except for un-amended printed literature, shall be initialled by the person or persons signing the bid.   17.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialled by the person or persons signing the bid.  17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract. |

D. Submission of Bids

|  |  |
| --- | --- |
| 18. Sealing and Marking of Bids | 18.1 The Bidder shall seal the original and each copy of the bid, in separate envelopes, duly marking the envelopes as “ORIGINAL” and “COPY.” The envelopes shall then be enclosed in an outer envelope and sealed.  18.2 The inner and outer envelopes shall:  (a) be addressed to the Purchaser at the address given in the Bid Data Sheet; and  (b) bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and Procurement Number indicated in the Bid Data Sheet, and a statement: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the Bid Data Sheet, pursuant to ITB Clause 22.1.  18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared “late.”  18.4 If the outer envelope is not sealed and marked as required by ITB Clause 18.2, the Purchaser will assume no responsibility for the bid’s misplacement or premature opening. |
| 19. Deadline for Submission of Bids | 19.1 Bids must be received at the address specified under ITB Clause 18.2 (a) by the time and date specified in the Bid Data Sheet.  19.2 The Purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and obligations of the Purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended. |
| 20. Late Bids | 20.1 Any bid received by the Purchaser after the deadline for submission of bids prescribed by the Purchaser pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder. |
| 21. Modification Substitution and Withdrawal of Bids | 21.1 A Bidder may modify, substitute or withdraw its bid after the bid’s submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Purchaser prior to the deadline prescribed for submission of bids.  21.2 The Bidder’s modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18 but in addition the envelopes shall be clearly marked “WITHDRAWAL”, “MODIFICATION” or “REPLACEMENT BID”. A withdrawal notice may also be sent by fax or Email, but followed by a signed confirmation copy, postmarked not later than the deadline for submission of bids.  21.3 No bid may be modified after the deadline for submission of bids.  21.4 Bids requested to be withdrawn in accordance with ITB Sub-Clause 21.1 shall be returned unopened to the Bidder.  21.5 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder’s forfeiture of its bid security, pursuant to ITB Clause 15.7. |

E. Opening and Evaluation of Bids

|  |  |
| --- | --- |
| 22. Opening of Bids by the Purchaser | 22.1 The Purchaser will open all bids in the presence of bidders or bidders’ representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders or bidders’ representatives who are present shall sign an attendance sheet.  22.2 Envelopes marked “WITHDRAWAL” shall be opened and read out first. The inner envelopes of bids for which an acceptable notice of withdrawal has been submitted pursuant to ITB Clause 21 shall be returned un-opened to the Bidder.  22.3 The bidders’ names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 20.  22.4 Bids (and modifications sent pursuant to ITB Clause 21.2) that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances.  22.5 The Purchaser will prepare minutes of the bid opening. |
| 23. Clarification of Bids | 23.1 During evaluation of the bids, the Purchaser may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted. |
| 24. Preliminary Examination | 24.1 The Purchaser will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.  24.2 Arithmetical errors will be rectified on the following basis. 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, unless there is an obvious discrepancy in placement of the decimal point. If there is a discrepancy between words and figures, the amount in words will prevail. If the Bidder does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited.  24.3 The Purchaser may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.   * 1. Prior to the detailed evaluation, pursuant to ITB Clause 26, the Purchaser will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one that conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, such as those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 31), and Taxes and Duties (GCC Clause 33), will be deemed to be a material deviation. The Purchaser’s determination of a bid’s responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.   24.5 If a bid is not substantially responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the Bidder by correction of the nonconformity. |
| 25. Conversion to Single Currency | 25.1 To facilitate evaluation and comparison, the Purchaser will convert all bid prices expressed in the amounts in various currencies in which the bid prices are payable to either:  (a) the currency of the Country specified for delivery at the selling exchange rate established for similar transactions by the national Central Bank;  **Or**  (b) U.S. dollars, at the selling rate of exchange published in the international press for the amount payable in foreign currency; and at the selling exchange rate established for similar transactions by the Central Bank of the Country specified for delivery for the amount payable in local currency;  (c) the prevailing UN exchange rate     * 1. The currency selected for converting bid prices to a common base for the purpose of evaluation, along with the source and date of the exchange rate, are specified in the Bid Data Sheet. |
| 26. Evaluation and Comparison of Bids | 26.1 The Purchaser will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.  26.2 The Purchaser’s evaluation of a bid will exclude and not take into account:  (a) in the case of goods manufactured in the Country specified for delivery, or goods of foreign origin already located in the Country specified for delivery, sales and other similar taxes, which are or will be subject to the African Union exemption on payment of taxes and duties;  (b) in the case of goods of foreign origin offered from abroad, customs duties and other similar import taxes on the goods where these are subject to the African Union exemption on payment of taxes and duties; and  (c) any allowance for price adjustment during the period of execution of the contract, if provided in the bid.  26.3 Price comparison shall be between the EXW price of the goods offered from within the Country specified for delivery, and the CIF named port of destination (or CIP border point, or CIP named place of destination) price of the goods offered from outside the Country specified for delivery.  26.4 The Purchaser’s evaluation of a bid may take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the Bid Data Sheet, and quantified in ITB Clause 26.5:  (a) Cost of inland transportation, insurance, and other costs within the Country specified for delivery and incidental to delivery of the goods to their final destination.  (b) delivery schedule offered in the bid;  (c) deviations in payment schedule from that specified in the Special Conditions of Contract;  (d) the cost of components, mandatory spare parts, and service;  (e) the availability in the Country specified for delivery of spare parts and after-sales services for the equipment offered in the bid;  (f) the projected operating and maintenance costs during the life of the equipment;  (g) the performance and productivity of the equipment offered; and/or  (h) other specific criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.  26.5 For factors retained in the Bid Data Sheet pursuant to ITB 26.4, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:  (a) *Inland transportation from EXW/port of entry/border point, insurance, and incidentals*.  Inland transportation, insurance, and other incidental costs for delivery of the goods from EXW/port of entry/border point to the final destination or Project Site named in the Bid Data Sheet will be computed for each bid on the basis of published tariffs by the rail or road transport agencies, insurance companies, and/or other appropriate sources. To facilitate such computation, the Bidder shall furnish in its bid the estimated dimensions and shipping weight and the approximate EXW/CIF (or CIP border point) value of each package. The above cost will be added by the Purchaser to EXW/CIF/CIP border point price.  (b) *Delivery schedule.*  (i) The Purchaser requires that the goods under the Invitation for Bids shall be delivered (shipped) at the time specified in the Schedule of Requirements. The esti­mated time of arrival of the goods at the final destination or Project Site will be calculated for each bid after allowing for reasonable international and inland transportation time. Treating the bid resulting in the earliest time of arrival as the base, a delivery “adjustment” will be calculated for other bids by applying a percentage, specified in the Bid Data Sheet, of the EXW/CIF/CIP price for each week of delay beyond the base, and this will be added to the bid price for evaluation. No credit shall be given to early delivery.  **or**  (ii) The goods covered under this invitation are required to be delivered (shipped) within an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as non-responsive. Within this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.  **or**  (iii) The goods covered under this invitation are required to be delivered (shipped) in partial shipments, as specified in the Schedule of Requirements. Bids offering deliveries earlier or later than the specified deliveries will be adjusted in the evaluation by adding to the bid price a factor equal to a percentage, specified in the Bid Data Sheet, of EXW/CIF/CIP price per week of variation from the specified delivery schedule.  (c) *Deviation in payment schedule.*  (i) Bidders shall state their bid price for the payment schedule outlined in the SCC. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The Purchaser may consider the alternative payment schedule offered by the selected Bidder.  **or**   1. The SCC stipulates the payment schedule offered by the Purchaser. If a bid deviates from the schedule and if such deviation is considered acceptable to the Purchaser, the bid will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the bid as compared with those stipulated in this invitation, at the rate per annum specified in the Bid Data Sheet.   (d) *Cost of spare parts.*  (i) The list of items and quan­tities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation specified in the Bid Data Sheet, is annexed to the Technical Specifications. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.  **or**  (ii) The Purchaser will draw up a list of high-usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the Bid Data Sheet. The total cost of these items and quan­tities will be computed from spare parts unit prices submitted by the Bidder and added to the bid price.  **or**  (iii) The Purchaser will estimate the cost of spare parts usage in the initial period of operation specified in the Bid Data Sheet, based on information furnished by each Bidder, as well as on past experience of the Purchaser or other purchasers in similar situations. Such costs shall be added to the bid price for evaluation.  (e) *Spare parts and after sales service facilities in the Country specified for delivery.*  The cost to the Purchaser of establishing the minimum service facilities and parts inventories, as outlined in the Bid Data Sheet or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.  (f) *Operating and maintenance costs.*  Since the operating and maintenance costs of the goods under procurement form a major part of the life cycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the Bid Data Sheet or in the Technical Specifications.  (g) *Performance and productivity of the equipment.*  (i) Bidders shall state the guaranteed performance or efficiency in response to the Technical Specification. For each drop in the performance or efficiency below the norm of 100, an adjustment for an amount specified in the Bid Data Sheet will be added to the bid price, representing the capitalised cost of additional operating costs over the life of the plant, using the methodology specified in the Bid Data Sheet or in the Technical Specifications.  **or**  (ii) Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid, and adjustment will be added to the bid price using the methodology specified in the Bid Data Sheet or in the Technical Specifications.  (h) *Specific additional criteria*  Other specific additional criteria to be considered in the evaluation and the evaluation method shall be detailed in the Bid Data Sheet and/or the Technical Specifications.  26.6 When bids are invited for individual lots and award of multiple contracts to individual bidders is permitted, the methodology of evaluation and the application of any conditional discounts to determine the award of contracts shall be specified in the Bid Data Sheet. |
| 27. Margin of Preference | 27.1 If the Bid Data Sheet so specifies, the Purchaser will grant a margin of preference to goods supplied from within African Union Member States for the purpose of bid comparison, for which this clause shall apply.  27.2 African Union bidders shall provide all evidence necessary to prove that they meet the following criteria to be eligible for a margin of preference in the comparison of their bids with those of bidders who do not qualify for the preference. They should:  (a) be registered within a Member State of the African Union;  (b) have majority ownership by nationals of Member States of the African Union;  (c) not subcontract more than ten (10) percent of the Contract Price to foreign suppliers; and  (d) satisfy any other criteria specified for the purpose of eligibility for the margin of preference, as specified in the Bidding Data.  27.3Joint ventures of African Union Member State firms may be eligible for the margin of preference provided that:  (a) individual partners satisfy the criteria of eligibility of ITB Clauses 27.2 (a) and (b);  (b) the joint venture is registered in the Country specified for performance of the works;  (c) the joint venture shall not subcontract more than ten (10) percent of the Contract Price, to foreign firms; and  (d) satisfy any other criteria specified for the purpose of margin of preference eligibility, as specified in the Bidding Data.  27.4 The following procedure will be used to apply the margin of preference:  (a) Responsive bids will be classified into the following groups:  (i) Group A: bids offered by African Union Member State bidders and joint ventures meeting the respective criteria of ITB Clauses 27.2 and 27.3 above; and   1. Group B: all other bids.   (b) For the purpose of evaluation and comparison of bids only, an amount equal to the percentage stated in the Bidding Data of the evaluated Bid prices determined in accordance with ITB Clause 26. Will be added to all bids classified in Group B. |
| 28. Contacting the Purchaser | 28.1 From the time of bid opening to the time of contract award, if any bidder wishes to contact the Purchaser on any matter related to the bid, it should do so in writing.  28.2 Any effort by a Bidder to influence the Purchaser in its decisions on bid evaluation, bid comparison, or contract award shall result in the rejection of the Bidder’s bid. |

F. Award of Contract

|  |  |
| --- | --- |
| 29. Post-qualification | 29.1 In the absence of pre-qualification, the Purchaser will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated cost responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.  29.2 The determination will take into account the Bidder’s financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder’s qualifications submitted by the Bidder, pursuant to ITB Clause 13.3, as well as such other information as the Purchaser deems necessary and appropriate.  29.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder’s bid, in which event the Purchaser will proceed to the next lowest evaluated cost bid to make a similar determination of that Bidder’s capabilities to perform satisfactorily. |
| 30. Award Criteria | * 1. Subject to ITB Clause 32, the Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated cost bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily. |
| 31. Purchaser’s Right to Vary Quantities at Time of Award | 31.1 The Purchaser reserves the right at the time of contract award to increase or decrease, by the percentage indicated in the Bid Data Sheet, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or other terms and conditions. |
| 32. Purchaser’s Right to Accept Any Bid and to Reject Any or All Bids | 32.1 The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the affected Bidder or bidders. |
| 33. Notification of Award | 33.1 Prior to the expiration of the period of bid validity, the Purchaser will notify the successful Bidder in writing by registered letter or courier service that its bid has been accepted.  33.2 The notification of award will constitute the formation of the Contract.  33.3 Upon the successful Bidder’s furnishing of the performance security pursuant to ITB Clause 35, the Purchaser will promptly notify the name of the winning Bidder to each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 15.  33.4 If, after notification of award, a Bidder wishes to ascertain the grounds on which its bid was not selected, it should address its request to the Purchaser. The Purchaser will promptly respond in writing to the unsuccessful Bidder. |
| 34. Signing of Contract | 34.1 At the same time as the Purchaser notifies the successful Bidder that its bid has been accepted, the Purchaser will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.  34.2 Within fourteen (14) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Purchaser |
| 35. Performance Security | * 1. Within fourteen (14) days of the receipt of notification of award from the Purchaser, the successful Bidder shall, if required, furnish the performance security in accordance with the Conditions of Contract, using the Performance Security Form provided in the bidding documents or in another form acceptable to the Purchaser.   35.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 34.2 or ITB Clause 35.1 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Purchaser may make the award to the next lowest evaluated cost Bidder or call for new bids. |
| 36. Fraud and Corruption | 36.1 The African Union requires that Officers of the AU, as well as Bidders/ Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts.[[1]](#footnote-1) In pursuance of this policy the AU:  (a) defines, for the purposes of this provision, the terms set forth below as follows:  (i) “corrupt practice”[[2]](#footnote-2) is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;   1. “fraudulent practice”[[3]](#footnote-3) is any act or omission including a misrepresentation that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation; 2. “collusive practice”[[4]](#footnote-4) is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party; 3. “coercive practice”[[5]](#footnote-5) is impairing or harming or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party; 4. “obstructive practice” is deliberately destroying, falsifying, altering or concealing of evidence material to any investigation or making false statements to investigators in order to materially impede any investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation;   (b) will reject a recommendation for award of contract if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;  (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded an African Union financed contract if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for, or in executing, an African Union financed contract. |
|  | 36.2 Furthermore, Bidders shall be aware of the provision stated in Clause 24.1 of the General Conditions of Contract. |

# 

# Section III. Bid Data Sheet

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in the ITB.

|  |  |
| --- | --- |
| Introduction | |
| **ITB Clause 1.1** | Funding for this procurement is provided by the **European Commission** |
| **ITB Clause 1.1** | Name of Purchaser: **African Union Commission** |
| **ITB Clause 1.1** | The Procurement Number is **AUC/HRST/G/003** |
| **ITB Clause 1.1** | Project Title/Name of Contract: **Supply, Delivery & Installation of GMES and Africa Stations and Training in the Use of The Stations and Systems Administration** |
| **ITB Clause 3.1** | The eligible origin of goods and services shall be restricted to countries that are Member States of the United Nations and /or members of the African Union |
| **ITB Clause 6.1** | Purchaser’s address, telephone, and facsimile numbers.  **African Union, P. O. Box 3243,**  **Addis Ababa, Ethiopia.**  **Tel: +251 11 551 7700- Ext 4526, 4305**  **Fax +251 115517844**  **E-Mail Tender@african-union.org** |
| **ITB Clause 8.1** | The Language of the Bid is English |

|  |  |
| --- | --- |
| Bid Price and Currency | |
| **ITB Clause 11.2 (a)**  ***(iii) or (iv) (optional)*** | .N/A |
| **ITB Clause 11.2 (b)** | N/A |
| **ITB Clause 11.2 (b)** | In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible countries. Similarly, the Bidder may obtain insurance services from any eligible source country; |
| **ITB 12.1 (a)** | N/A**.** |
| **ITB 12.1 (b)** | For goods and services that the Bidder will supply from outside the countries for delivery, the prices shall be quoted in **US Dollars / Euro** |

|  |  |
| --- | --- |
| **Preparation and Submission of Bids** | |
| **ITB Clause 13.3 (d)** | The required documentary evidence to be submitted by the bidder to confirm eligibility to bid is as follows   * Evidence of Registration * Bid submission form. * Manufacturer’s Authorisation certificate or Dealership certificate. * Audited Financial Statements (3 recent years) |
| **ITB Clause 14.3 (b)** | Spare parts are required to be available for at least five years of operation. |
| **ITB Clause 15.1** | A bid security of Euro 10,000.00. |
| **ITB Clause 16.1** | The period of bid validity shall be 90 days from the deadline for submission of bids. |
| **ITB Clause 17.1** | In addition to the original of the bid, the number of copies required is three (3) hard copies and one USB. |
| **ITB Clause 18.2 (a)** | The address for submission of bids is:  **Procurement, Travel and Stores Division**  **African Union Commission, P. O. Box 3243, Roosevelt Street, Block C, 3rd Floor**  **Addis Ababa, Ethiopia** |
| **ITB Clause 18.2 (b)** | IFB title and Procurement Number are **Supply, Delivery & Installation of GMES and Africa Stations and Training in the Use of The Stations and Systems Administration: AUC/HRST/G003** |
| **ITB Clause 19.1** | The deadline for submission of bids is **1500hours local time** on **13 September 2019** |
| **ITB Clause 22.1** | The opening of bids shall take place immediately after the deadline for submission on **13 September 2019** in the Administration and Human Resources Management Meeting Room: **African Union Commission, Roosevelt Street, Block C, 3rd Floor, Addis Ababa, Ethiopia** |
| **Bid Evaluation** | |
| ITB Clause 25.2 | The common currency for evaluation purposes is US Dollars using United Nations exchange rate on the date of the deadline for submission of bids. |
| **ITB Clause 26.4** | In addition to the bid price the following factors will be taken into account in determining the lowest evaluated cost bid:  (a) delivery schedule offered in the bid; (25 points)  (b) the projected operating and maintenance costs during the life of the equipment; (25 points)  (c) the performance and productivity of the equipment offered. (25 Points)  (d) Training and Management Plan (25 Points)  The above criteria will be applied after administrative and technical compliance. |
| **ITB Clause 26.5**   1. **to (h)** | **The following criteria would also be applied to ascertain and evaluate responsive bids:**   1. Criteria in ITB 26.5 (a) to (h) will apply. in addition to the following: 2. Preliminary    * Eligibility    * Completeness of Bid, bid form must be signed    * Registration Certificate    * Bid Validity    * Bid Security    * Minimum Turnover of USD400,000.00 3. Technical  * Capacity will be assessed using criteria in the technical specifications, Section VII * Bidders must demonstrate at least 3 years experience in provision of Earth Observation stations and training.  1. Financial    1. Cost Within a budget of (USD    2. Delivery Period (Maximum 12 weeks) |
| **ITB Clause 27.1** | A margin of preference for goods manufactured within the African Union will **not** apply. |
| **Contract Award** | |
| **ITB Clause 31.1** | The percentage for quantity increase or decrease is 25% percent for spare parts. |

# Section IV. General Conditions of Contract

## Table of Clauses

1. Definitions 28

2. Application 29

3. Country of Origin 29

4. Standards 29

5. Use of Contract Documents and Information 29

6. Patent Rights 29

7. Performance Security 30

8. Inspections and Tests 30

9. Packing 31

10. Delivery and Documents 31

11. Insurance 31

12. Transportation 32

13. Incidental Services 32

14. Spare Parts 33

15. Warranty 33

16. Payment 34

17. Prices 35

18. Change Orders 35

19. Contract Amendments 35

20. Assignment 35

21. Subcontracts 35

22. Delays in the Supplier’s Performance 36

23. Liquidated Damages 36

24. Termination for Default 36

25. Force Majeure 38

26. Termination for Insolvency 38

27. Termination for Convenience 38

28. Settlement of Disputes 38

29. Limitation of Liability 39

30. Governing Language 39

31. Applicable Law 40

32. Notices 40

33. Taxes and Duties 40

**General Conditions of Contract**

|  |  |
| --- | --- |
| 1. Definitions | 1.1 In this Contract, the following terms shall be interpreted as indicated:  (a) “The Contract” means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.  (b) “The Contract Price” means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.  (c) “The Goods” means all of the equipment, machinery, commodities and/or other materials which the Supplier is required to supply to the Purchaser under the Contract.  (d) “The Services” means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.  (e) “GCC” mean the General Conditions of Contract contained in this section.  (f) “SCC” means the Special Conditions of Contract.  (g) “The Purchaser” means the Commission of the African Union including all national offices and international organs of the African Union purchasing the Goods, as **named in the SCC.**  (h) “The Country specified for delivery” is the country **named in the SCC.**  (i) “The Supplier” means the individual or firm supplying the Goods and Services under this Contract and **named in SCC.**  (j) “The Project Site,” where applicable, means the place or places **named in the SCC.**  (k) “Day” means calendar day. |
| 2. Application | 2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract. |
| 3. Country of Origin | 3.1 All Goods and Services supplied under the Contract shall have their origin in eligible countries and territories, as further elaborated **in the SCC.**  3.2 For purposes of this Clause, “origin” means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognised new product results that is substantially different in basic characteristics or in purpose or utility from its components.  3.3 The origin of Goods and Services is distinct from the nationality of the Supplier. |
| 4. Standards | 4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods’ country of origin. Such standards shall be the latest issued by the concerned institution. |
| 5. Use of Contract Documents and Information | 5.1 The Supplier shall not, without the Purchaser’s prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.  5.2 The Supplier shall not, without the Purchaser’s prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.  5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Purchaser and shall be returned (all copies) to the Purchaser on completion of the Supplier’s performance under the Contract if so required by the Purchaser. |
| 6. Patent Rights | 6.1 The Supplier shall indemnify the Purchaser against all third‑party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the Country specified for delivery. |
| 7. Performance Security | 7.1 Within fourteen (14) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Purchaser the performance security in the amount **specified in SCC.**  7.2 The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier’s failure to complete its obligations under the Contract.  7.3 The performance security shall be denominated in the currency of the Contract, or in a freely convertible currency acceptable to the Purchaser and shall be in one of the following forms:  (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in a Member State of the African Union or abroad, acceptable to the Purchaser, in the form provided in the bidding documents or another form acceptable to the Purchaser; or  (b) a cashier’s or certified check.  7.4 The performance security will be discharged by the Purchaser and returned to the Supplier not later than thirty (30) days following the date of completion of the Supplier’s performance obligations under the Contract, including any warranty obligations, unless otherwise **specified in SCC.** |
| 8. Inspections and Tests | 8.1 The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The **SCC** and the Technical Specifications shall specify what inspections and tests the Purchaser requires and where they are to be conducted. The Purchaser shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.  8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at the Goods’ final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Purchaser.  8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.  8.4 The Purchaser’s right to inspect, test and, where necessary, reject the Goods after the Goods’ arrival in the Country specified for delivery shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Purchaser or its representative prior to the Goods’ shipment from the country of origin.  8.5 Nothing in GCC Clause 8 shall in any way release the Supplier from any warranty or other obligations under this Contract. |
| 9. Packing | 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.  9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, **specified in the SCC**, and in any subsequent instructions ordered by the Purchaser. |
| 10. Delivery and Documents | 10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are **specified in the SCC**.  10.2 For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of *Incoterms* published by the International Chamber of Commerce, Paris.  10.3 Documents to be submitted by the Supplier are **specified in the SCC.** |
| 11. Insurance | 11.1 The Goods supplied under the Contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery in the manner **specified in the SCC.**  11.2 Where delivery of the Goods is required by the Purchaser on a CIF or CIP basis, the Supplier shall arrange and pay for cargo insurance, naming the Purchaser as beneficiary. Where delivery is on a FOB or FCA basis, insurance shall be the responsibility of the Purchaser. |
| 12. Transportation | 12.1 Where the Supplier is required under Contract to deliver the Goods FOB, transport of the Goods, up to and including the point of putting the Goods on board the vessel at the specified port of loading, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price. Where the Supplier is required under the Contract to deliver the Goods FCA, transport of the Goods and delivery into the custody of the carrier at the place named by the Purchaser or other agreed point shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.  12.2 Where the Supplier is required under Contract to deliver the Goods CIF or CIP, transport of the Goods to the port of destination or such other named place of destination in the Country specified for delivery, as shall be specified in the Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.  12.3 Where the Supplier is required under the Contract to transport the Goods to a specified place of destination within the Country specified for delivery, defined as the Project Site, transport to such place of destination, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.  12.4 Where the Supplier is required under Contract to deliver the Goods CIF or CIP, no restriction shall be placed on the choice of carrier. Where the Supplier is required under Contract (a) to deliver the Goods FOB or FCA, and (b) to arrange on behalf and at the expense of the Purchaser for international transportation on specified carriers or on national flag carriers of the Country specified for delivery, the Supplier may arrange for such transportation on alternative carriers if the specified or national flag carriers are not available to transport the Goods within the period(s) specified in the Contract. |
| 13. Incidental Services | 13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, **specified in the SCC:**  (a) performance or supervision of on-site assembly and/or start‑up of the supplied Goods;  (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;  (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;  (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and  (e) training of the Purchaser’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.  13.2 Prices charged by the Supplier for incidental services, if not included in the Contract Price for the Goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services. |
| 14. Spare Parts | 14.1 As **specified in the SCC,** the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:  (a) such spare parts as the Purchaser may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and  (b) in the event of termination of production of the spare parts:  (i) advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements; and  (ii) following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if requested. |
| 15. Warranty | 15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Purchaser’s specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the Country specified for delivery.  15.2 This warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the Contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless **specified otherwise in the SCC.**  15.3 The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.  15.4 Upon receipt of such notice, the Supplier shall, within the period **specified in the SCC** and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Purchaser other than, where applicable, the cost of inland delivery of the repaired or replaced Goods or parts from EXW or the port or place of entry to the final destination.  15.5 If the Supplier, having been notified, fails to remedy the defect(s) within the period **specified in the SCC**, the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier’s risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract. |
| 16. Payment | 16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be **specified in the SCC.**  16.2 The Supplier’s request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10, and upon fulfilment of other obligations stipulated in the Contract.  16.3 Payments shall be made promptly by the Purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the Supplier.  16.4 The currency or currencies in which payment is made to the Supplier under this Contract shall be **specified in the SCC** subject to the following general principle: payment will be made in the currency or a currency in which the payment has been requested in the Supplier’s bid.  16.5 All payments shall be made in the currency or currencies **specified in the SCC** pursuant to GCC 16.4. |

|  |  |
| --- | --- |
| 17. Prices | 17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments **authorised in the SCC** or in the Purchaser’s request for bid validity extension, as the case may be. |
| 18. Change Orders | 18.1 The Purchaser may at any time, by a written order given to the Supplier pursuant to GCC Clause 32, make changes within the general scope of the Contract in any one or more of the following:  (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;  (b) the method of shipment or packing;  (c) the place of delivery; and/or  (d) the Services to be provided by the Supplier.  18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier’s performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the Supplier’s receipt of the Purchaser’s change order. |
| 19. Contract Amendments | 19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties. |
| 20. Assignment | 20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Purchaser’s prior written consent. |
| 21. Subcontracts | 21.1 The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.  21.2 Subcontracts must comply with the provisions of GCC Clause 3. |
| 22. Delays in the Supplier’s Performance | 22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Purchaser in the Schedule of Requirements.  22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier’s notice, the Purchaser shall evaluate the situation and may at its discretion extend the Supplier’s time for performance, with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of Contract.  22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages. |
| 23. Liquidated Damages | 23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or all of the Goods or to perform the Services within the period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage **specified in the SCC.** Once the maximum is reached, the Purchaser may consider termination of the Contract pursuant to GCC Clause 24. |
| 24. Termination for Default | 24.1 The Purchaser, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:  (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser pursuant to GCC Clause 22; or   1. if the Supplier fails to perform any other obligation(s) under the Contract.   (c) if the Supplier, in the judgement of the Purchaser, has engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for or in executing the Contract.  For the purpose of this clause:  “corrupt practice”[[6]](#footnote-6) is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;  “fraudulent practice”[[7]](#footnote-7) is any act or omission including a misrepresentation that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;  “collusive practice”[[8]](#footnote-8) is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;  “coercive practice”[[9]](#footnote-9) is impairing or harming or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;  “obstructive practice” is deliberately destroying, falsifying, altering or concealing of evidence material to any investigation or making false statements to investigators in order to materially impede any investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation;  24.2 In the event the Purchaser terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated. |
| 25. Force Majeure | 25.1 Notwithstanding the provisions of GCC Clauses 22, 23, and 24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.  25.2 For purposes of this clause, “Force Majeure” means an event beyond the control of the Supplier and not involving the Supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.   * 1. If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. |
| 26. Termination for Insolvency | * 1. The Purchaser may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser. |
| 27. Termination for Convenience | 27.1 The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser’s convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.  27.2 The Goods that are complete and ready for shipment within thirty (30) days after the Supplier’s receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:  (a) to have any portion completed and delivered at the Contract terms and prices; and/or  (b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier. |
| 28. Settlement of Disputes | 28.1 If any dispute or difference of any kind whatsoever shall arise between the Purchaser and the Supplier in connection with or arising out of the Contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation. |
|  | * 1. If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.   28.2.1Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.  28.2.2 Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC.** |
|  | 28.3 Notwithstanding any reference to arbitration herein,  (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and  (b) the Purchaser shall pay the Supplier any monies due to the Supplier. |
| 29. Limitation of Liability | 29.1 Except in cases of criminal negligence or wilful misconduct, and in the case of infringement pursuant to Clause 6,  (a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser and  (b) the aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment. |
| 30. Governing Language | 30.1 The Contract shall be written in English unless otherwise **specified in the SCC.** Subject to GCC Clause 31, the version of the Contract written in the specified language shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language. |
| 31. Applicable Law | 31.1 The Contract shall be interpreted in accordance with International Law, unless otherwise **specified in the SCC.** |
| 32. Notices | 32.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing to the address **specified in the SCC.**  32.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later. |
| 33. Taxes and Duties | 33.1 The African Union and its subsidiary organs are exempted from all direct taxes and are exempted from customs duties in respect of articles imported or exported for its official use in conformity with the General Convention on Privileges and Immunities. Accordingly the Supplier authorises AUC to deduct from the Supplier’s invoice any amount representing such taxes or duties charged to the African Union by the Supplier. In the event that any taxing authority refuses to accept the African Union’s exemption from such taxes or duties, the Supplier shall immediately consult with the AUC.  33.2 A Supplier shall be responsible for obtaining exemption for the African Union from all local taxes, duties, and license fees incurred until delivery of the contracted Goods to the Purchaser, unless otherwise agreed in writing by the AUC. |
|  |  |

# Section V

# Special Conditions of Contract

## Table of Clauses

GCC Clause 1 - Definitions 54

GCC Clause 3.1 - Country of Origin 54

GCC Clause 7.1 - Performance Security 54

GCC Clause 8.1 - Inspections and Tests 54

GCC Clause 9.2 - Packing 54

GCC Clause 10.3 - Delivery and Documents 54

GCC Clause 11.1 - Insurance 55

GCC Clause 15.4 - Repair or Replacement of Defective Goods 55

GCC Clause 15.5 – Failure to Repair of Replace Defective Goods 55

GCC Clause 16.1 - Payment 55

GCC Clause 23.1 - Liquidated Damages 55

GCC Clause 28.2.2 - Settlement of Disputes 55

GCC Clause 30.1 - Governing Language 55

GCC Clause 31.1 - Applicable Law 43

GCC Clause 32.1 - Notices 55

**Special Conditions of Contract**

The following Special Conditions of Contract shall supplement the General Conditions of Contract. Whenever there is a conflict, the provisions herein shall prevail over those in the General Conditions of Contract. The corresponding clause number of the GCC is indicated in parentheses.

GCC Clause 1 - Definitions

GCC 1.1 (g)—The Purchaser is **African Union Commission**

GCC 1.1 (h)—The Country specified for delivery is **Douala, Cameroon.**

GCC 1.1 (i)—The Supplier is: *[insert name of Supplier only when finalising the contract]*

GCC 1.1 (j)—The Project Site or place of delivery is **AU** **Continental Logistics Base**

GCC Clause 3.1 - Country of Origin

All countries and territories which are member states of the United Nations and/or African Union are eligible.

GCC Clause 7.1 - Performance Security

N/A

GCC Clause 8.1 - Inspections and Tests

Inspection and tests prior upon delivery of goods will be conducted by the Inspection Committee.

GCC Clause 9.2 - Packing

Goods shall be packed, equipment and accessories shall be securely contained, packaged (plastic-wrapping and strapped) in pallets, marked and shipped in a manner that protects the goods from theft, breaking, fire, water and any other hazard, during delivery to their ultimate destination.

GCC Clause 10.3 - Delivery and Documents

a) One Original and two (2) copies of the Supplier’s invoice.

b) One (1) Original and two (2) copies of the airway bill showing freight pre-paid at the point of embarkation.

c) Certificate of Origin signed by the competent Authority

d) Packing list three (3) copies

e) Copy of the Certificate of Warranty of the equipment.

GCC Clause 11.1 - Insurance

The Insurance shall be in an amount equal to 110 percent of the DAP value of the Goods from “warehouse” to “warehouse” on “All Risks” basis, including War Risks and Strikes.

GCC Clause 15.2 - Warranty

Warranty period shall remain as stated in GCC 15.2

GCC Clause 15.4 - Repair or Replacement of Defective Goods

The period allowed to the Supplier for correction of defects in the warranty period by the Supplier is *5* days.

GCC Clause 15.5 – Failure to Repair or Replace Defective Goods

The period allowed to the Supplier after failure of the Supplier to remedy defects in the warranty period and before the Purchaser may take remedial action at the expense of the Supplier is *15* days.

GCC Clause 16.1 - Payment

The method and conditions of payment to be made to the Supplier under this Contract shall be: **either** Advance payment on receipt of irrevocable Advance Payment Guarantee from a reputable financial institution; **or** full payment after delivery of service.

GCC Clause 16.4 - The currency in which payment is to be made to the Supplier is USD or the local currency of country of delivery.

GCC Clause 23.1 - Liquidated Damages

The applicable rate for liquidated damages is *0.5*percent per week or part thereof. The maximum deduction for liquidated damages is *10* percent.

GCC Clause 28.2.2 - Settlement of Disputes

The basis of arbitration shall be:

*[At the time of finalising the Contract, the parties shall agree the basis for settlement of disputes - and applicable clauses only should be retained in the Contract.]*

GCC Clause 30.1 - Governing Language

The Governing Language of the Contract shall be English.

GCC Clause 31.1 - Applicable Law

The Contract shall be interpreted in accordance with International Law in accordance with provisions of the United Nations Commission on International Trade Arbitration Rules (UNCITRAL).

GCC Clause 32.1 - Notices

The Purchaser’s address for notice purposes is

**The African Union Commission,**

**P. O. Box 3243, Addis Ababa, Ethiopia**

**Tel: 251 11 551 7700,**

The Supplier’s address for notice purposes is*:*

# Section VII.

# Technical Specifications

TECHNICAL SPECIFICATIONS FOR GMES AND AFRICA STATIONS

*TABLE OF CONTENTS*

1. Scope of this document 5

2. GMES ground stations architecture Overview 5

3. EUMETCast data reception 6

4. Technical specifications 7

4.1 Preamble 7

4.2 General considerations 8

4.2.1 Hardware 8

4.2.2 Software 9

4.3 Specifications for GMES stations 10

4.3.1 Antenna 10

4.3.2 Acquisition (PC 1) 11

4.3.3 E-Station (PC2 and PC3) 13

4.3.4 UPS 14

4.3.5 Router 15

4.4 Hardware Warranty 15

4.5 Software Evolution and Maintenance 15

4.6 Helpdesk/Support Services 15

5. Options 16

5.1 Infrastructure works 16

Annex 1 – Antenna requirements 17

Transponders parameters 17

Antenna Size 17

Annex 2 - Changes/Improvements between MESA stations and G&A Stations. main points to consider. 19

LIST OF FIGURES

Figure 1: GMES Station Architecture Overview 5

Figure 2: Segregation of tasks in the e-Station 6

Figure 4: Overview of the EUMETCast broadcast 7

Figure 5: System architecture available for MESA and PUMA stations 7

Figure 6 -2.4 m Antenna Reception coverage vs link availability 18

Figure 7 -3.7 m Antenna Reception coverage vs link availability 18

LIST OF TABLES

# Scope of this document

* The purpose of this document is to define the basic requirements and technical specifications to design the GMES and AFRICA Support Programme thematic stations at newly designated locations.
* These stations are built on the same architecture than the one of the MESA 2015 stations, delivered to African countries under the EU funded MESA Programme between 2013 and 2017. The compatibility with those stations must be preserved. In particular, the new system should be easy to install on the previous MESA hardware[[10]](#footnote-10)

# GMES ground stations architecture Overview

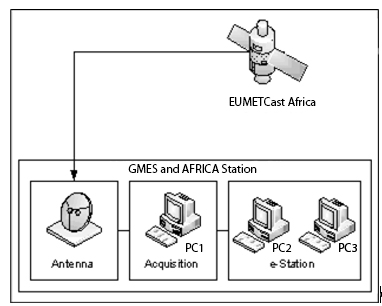


Figure 1: GMES Station Architecture Overview

The GMES thematic ground station is composed of the following equipment:

* **Outdoor unit** composed of 1 antenna subsystem (dish, mounting, feed, LNB, cables and eventually RF filter) to allow the reception of the EUMETCast-Africa flows.
* **Indoor Units** each composed of the following elements:
  + 1 Acquisition subsystem consisting of a PC (PC1) equipped with a DVB-S2 reception card for EUMETCAST data flow reception,
  + 1 workstation for data acquisition and processing (PC2) and 1 workstation for data visualization and sharing (PC3). These 2 stations are so called eStations.
  + 1 EUMETCAST Key Unit (EKU) per reception PC (i.e. 2 PCs) for decryption of data keys and the TELLICAST software allowing frames decoding and reconstruction of files.
  + 1 Uninterruptible Power Supply (UPS) also known as a battery back-up, providing emergency power and line regulation as well to connected equipment by supplying power from a separate source when utility power is not available. This UPS can be used to provide uninterrupted power to the equipment, here up to 60 minutes, until an auxiliary power supply can be turned on, utility power restored, or equipment safely shut down. Idea is to maintain a regular and reliable acquisition of data and products and protects equipment.
  + One 8 ports Network switch for Local Area Networking.
  + Power cords and RJ45 cables.
  + Each PC will be equipped with a 21” monitor, keyboard and mouse

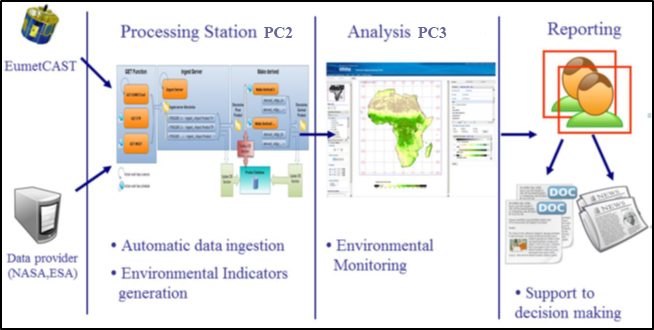


Figure 2: Segregation of tasks in the e-Station

# EUMETCast data reception

Environmental and earth observation data are provided using a EUMETCast channel or can also be grabbed from external sources through an internet connection.



Figure 4: Overview of the EUMETCast broadcast

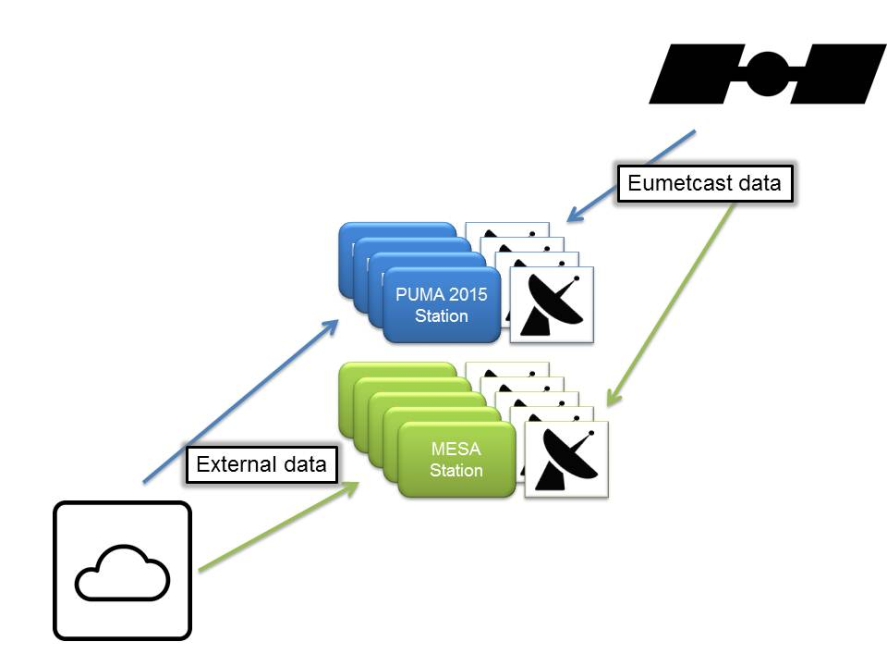


Figure 5: System architecture available for MESA and PUMA stations

# Technical specifications

## Preamble

1. The technical specifications contain updates based on the experience from MESA stations.
2. The original MESA technical specifications are in annex.
3. The chapter 4 of the present technical requirements should prevail in case of conflicts.

## General considerations

1. All the equipment shall be provided complete with the necessary accessories and/or parts such as to ensure that the unit can operate to the required technical and quality specifications. All details of specification within each lot for each item are the minimum requirements unless otherwise stated. Any improvements on the specifications or additional features offered should be clearly identified in the Tenderer’s offer.
2. All supplies need to be ready to operate after delivery and installation by the Contractor if no other conditions are mentioned in the technical specification.
3. The Contractor shall specify preliminary infrastructure work required such as concrete pad, network, and power supply. These specifications shall be sent to the Beneficiaries.
4. The GMES Station configuration shall offer the same level of redundancy as the former MESA one. In particular, in case of failure of one PC, it shall be possible to switch over to a reduced configuration and the Station shall remain operational.
5. All equipment and licenses shall be designed to work indefinitely, i.e. at the end of the support period all functions must be able to continue without the need to procure new licenses or license hardware (dongles etc.).
6. All licenses should be independent of hardware, i.e. a hardware failure (e.g. hard disk, dongle) should not necessitate the purchase of any new licenses
7. The Contractor is responsible for installing all the software packages prior to the delivery, including the software packages provided by third parties.
8. The remote access, when it is possible, shall be set up and tested as part of the Station deployment.
9. The Contractor shall perform a Factory Acceptance Test (FAT) on the GMES&Africa Station, to verify that all hardware and software requirements are met for each kind of antenna (2.4m and 3.7m diameter, see below). The successful FAT will result in the authorization to proceed to the shipment of the stations. External actors (JRC, EUM, AUC) will participate in the FAT.

### Hardware

1. All the electronic devices shall be compatible with the power supply features in the countries of delivery, unless otherwise specified. In addition, all the electrical devices which have to be interconnected shall be fully compatible.
2. All the hardware indoor units must be operable in an office environment with regards to the following temperature, humidity and dust conditions:
   * + Temperature Operating 10° to 35° C (50° to 95° F)
     + Non-Operating (Storage) -40° to 65° C (-40° to -149° F)
     + Relative Humidity 20% to 80% (non-condensing)
     + Dust-free conditions prevail
     + AC of the room is recommended
3. Redundant physical hard disks shall be implemented on each PC in a RAID 1 (or similar) type configuration to ensure operations can continue in the case of the failure of a single disk. The user (and/or help desk) should be automatically informed in the case of failure of one of the disks so that a replacement can be sent, and the failed disk replaced.
4. Some preventive measures shall be proposed to cope with problems of unexpected UPS battery alteration; e.g. automatic equipment shutdown to prevent full discharge. These measures could be documented for example in a FAQ on a website.
5. PC1 (acquisition sub-system) should be set up only as a Reception Station with an FTP/File Server functionality, and not to install and run other application software. Peaks in disk or bus usage could interrupt the DVB data reception and thus cause non-recoverable data losses. However, running EUMETCast reception software on a processing PC or eStation is acceptable as a backup solution in case of an acquisition PC failure.

### Software

1. The tenderer shall propose the necessary measures to protect against malware/viruses (e.g. antivirus, virus database update), knowing that some antivirus software have an adverse effect on the Tellicast software.
2. The system shall allow remote access for maintenance whenever possible, when there is a reliable internet connection and or when the institutional policy accepts it. The idea is to allow taking control over a computer anywhere on the Internet, through firewalls. However, due to always possible security matters, the preferred solution is a simple solution supported by on-board software, e.g. SSH command line interface, VNC etc. When allowed, other open source software, reliable and proofed, renowned enough, maintained by a community of users, can be proposed [[11]](#footnote-11). Team Viewer will not be accepted.
3. To enable end-users with minimal system administration experience to install/re-install the applications, there shall be the provision of a simple installation procedure for all necessary applications.
4. A system software image (a.k.a ISO) that contains all software components that will be installed on each PC through a simple and guided procedure. For instance, the system image for the acquisition PC should include the Operating System, the DVB and EKU device drivers and the Tellicast Client application.
5. To enable end-users with minimal system administration experience to perform partial/complete backups/restores of the system software and data there should be the provision of a suitable backup/restore mechanism.
6. When software upgrade is needed, the Contractor shall provide easily-installable software packages/upgrades including all the necessary software components. The system software packages/upgrades shall be distributed via EUMETCast and/or by other means, e.g. via FTP or CDs/DVDs/USB sticks. The upgrade process should be as automated as much as possible, but if it necessitates an interruption to the operational use of the Station (e.g. a reboot) the user should be able to acknowledge and trigger the process at a suitable time.
7. To simplify application upgrades, no licenses should be required for these upgrades.
8. The installation of upgraded software versions shall allow the user to preserve his own configuration.
9. To allow hardware maintenance/replacement, the application software licenses should not be linked to any specific hardware (e.g. network cards, DVB devices etc.) with the exception of a unique system identifier.
10. To enable end-users with minimal system administration experience to configure the applications, there should be the provision of one or more graphical user interfaces for configuring all necessary applications.

## Specifications for GMES stations

### Antenna

#### Satellite dish, mounting and feed

1. The antenna sub-system shall allow to receive data broadcasted on EUMETCast Africa (i.e. C-Band RxOnly Fix Earth Antenna).
2. To suppress nearby other telecommunication satellites and ensure reliable and efficient reception, dish antenna diameter will be comprised between min. 2.40 m min. and 3.70 m max., for relevant geographical areas (See Appendix 1).
3. Electrical specifications:

* Operating frequency: C-Band 3.635-4.200 GHz
* Polarization: Left Hand Circular Polarization
* Voltage Axial Ration, (Circularly-Polarized) on axis C-Band: RX < 1.26 (2 dB)
* G/T for antenna diameter between 2,4m and 3m: 17.1 dB/K
* G/T for antenna diameter ~3,7m: 21.2 dB/K
* Antenna VSWR, receive: < 1.6: 1
* Side lobes: Intelsat standard H

1. Mechanical specifications:

* Antenna alignment: Manual
* Feed flange: adapted to waveguide WG11A/WR229/RG340 and to the LNB flange
* Antenna pointing range in Elevation: 15-85°
* Antenna pointing range in Azimuth: 360°

1. Environmental specifications:

* Wind loading – operational mode: 50 mph (80 km/h)
* Wind loading – survival mode: 125 mph (200 km/h) in any position of operation
* Temperature operational: -5° to +55°
* Rain operational: should stay operational under heavy rainfall, i.e. not collect water

1. Other specifications:

* Mount Ground fixings for concrete pad and/or Non-Penetrating Roof Mounting
* Lightning protection

#### Digital Universal LNB

1. Electrical specifications:

* RF Input frequency: C-Band 3.635-4.200 GHz
* Input VSWR: < 2:1
* IF Output Frequency: Compliant with the DVB device typically 950 to 1750 MHz
* Output VSWR: < 2.5: 1, 75 Ohms
* Gain: >55 dB
* Noise Temperature: <25K
* Input DC Voltage Compliant with DVB device, typically +13 to 18V

1. Mechanical specifications:

* Input interface: adapted to waveguide WG11A/WR229/RG340 and to the flange of antenna feed
* Output interface: F-Type, 75 Ohms, Waterproof

1. Environmental specifications:

* Temperature operational-5° to +55°
* Relative Humidity: up to 100% condensation

### Acquisition (PC 1)

The acquisition sub-system shall allow receiving the DVB-S2 data flow broadcasted via EUMETCast Africa, record data and provide interface for data retrieval by processing sub-system.

#### Computer

* CPU 3.0 GHz or higher based on x86 architecture
* RAM 8 GByte (or higher)
* Identical 2 TByte each Internal Disks in a RAID 1 configuration
* Fast and Reliable state of the art Disk Interface, e.g. SATA
* PCI Bus type compliant with the DVB-S2 card proposed.
* At least four USB Ports 2.0 and two USB Ports 3.0
* Gigabit Ethernet Card (or higher data rate)

#### Accessories

* One 4 Button Optical Scroll Mouse
* One QWERTY or AZERTY keyboard depending on the beneficiary country
* One 21" LCD screen, 1920x1080 resolution, <5ms Response, DVI

#### DVB reception device

* DVB-S2 PCI board, router, USB device or similar

#### Operating system and SWs

* Linux CentOS version 6 (to be compatible with current MESA software version).
* The application software allows the reception of all EUMETCast data available for African users. It shall include:
* TELLICAST client software v2.14.4 or later (part of the EUMETCast package i.e. available on EUMETSAT site),
* eToken run time environment v4.5 or later (part of the EUMETCast package, i.e. available on EUMETSAT site),
* DVB-S2 Reception software, if applicable. If the linux kernel DVB API is used, the DVB- EUMETCast version 1.1-4 or later shall be used (part of the EUMETCast package, i.e. available on EUMETSAT site).

#### Note

* The application software will be maintained at least for the duration of the Contract;
* The Acquisition sub-system shall provide as external interface a FTP/File-Server- functionality compliant with the RFC-0959 (STD-009); in other words, the access to data on PC1 is done using the ftp option. The Acquisition sub-system shares the data and the processing sub-system (e.g. PC2 of the e-Station) gets the file in the shared directories. The data is organized on the reception Station (e.g.: directories for update…). It is recommended to have a homogeneous data flow between different Stations.
* The acquisition sub-system shall provide the functionality to optionally push a user- configurable-set-of-received-data to other remote machines via FTP[[12]](#footnote-12). The end-user shall have the flexibility to add/modify/delete data entries. Each entry shall have simple fields to enter a) description, b) filename regular expression, c) target ftp site, and manage the ftp access information. This should not affect the data sent to the processing subsystem (i.e. the push should be in addition to this data flow rather than instead of); The default setting should be for this functionality to be off/disabled;
* The Acquisition sub-system shall provide a system restore function that allows end-users to reverse the changes made to the previous working state, for example in case of the end-user edits incorrectly configuration files via GUI.
* To enable end-users with minimal system administration experience to configure the system software there shall be the provision of one or more graphical user interfaces for configuring all aspects of EUMETCast reception, e.g. LNB frequency/ polarization, DVB PIDs, EKU username/keys, Tellicast channels, destination directories, FTP push destinations, etc.
* The tenderer shall propose the necessary measures to protect against malware/viruses (e.g. antivirus, virus database update. He will also secure the fact that the proposed antivirus will not affect the other software and will be updated regularly.

### E-Station (PC2 and PC3)

#### Computer PC2

* CPU 3.0 GHz or higher based on x86 architecture;
* RAM 8 GByte (or higher);
* Identical 2 TByte each Internal Disks in a RAID 1 configuration;
* Fast and Reliable Disk Interface, e.g. SATA;
* At least four USB Ports 2.0 and two USB Ports 3.0;
* Gigabit Ethernet Card (or higher data rate);
* DVI and HDMI video ports.

#### Computer PC3

* CPU 3.0 GHz or higher based on x86 architecture;
* RAM 16 GByte;
* Identical 2 TByte each SSD internal disks in a RAID 1 configuration;
* Fast and Reliable Disk Interface, e.g. SATA;
* At least four USB Ports 2.0 and two USB Ports 3.0;
* Gigabit Ethernet Card (or higher data rate);
* DVI and HDMI video ports.

#### Accessories for PC2 and PC3

* One 4 Button Optical Scroll Mouse per each computer;
* One QWERTY or AZERTY keyboard per each computer, depending on the beneficiary country;
* One 21’’ (PC2), one 24" (PC3) LCD screen, at least 1920x1080 resolution, <5ms Response, DVI/HDMI;
* PC2 only[[13]](#footnote-13): DVB reception device: DVB-S2 PCI board, USB device or similar.

#### Operating system(s) and SWs for PC2 and PC3

* Linux CentOS version 6 (to be compatible with current MESA eStation version deployed);
* The tenderer shall propose the necessary measures to protect against malware/viruses (e.g. antivirus, virus database update);
* With each Station, a DVD or USB key with Additional Software (e.g. QuantumGIS, ILWIS, Sentinel SNAP 6.0[[14]](#footnote-14), etc.) will be delivered. No warranty or helpdesk needs to be provided on such SW;
* DVB-S2 Reception software, if applicable.

#### Notes

* The Contractor will also customize the desktops so that PC1 has the same look and feel as PC2 and PC3.
* Regarding the acquisition sub-system, the Contractor will implement a Dashboard page, i.e. a single-entry point that visualizes the overall status of the Receiving Station, including the status of relevant services (Tellicast, file housekeeping and dispatching), the quality of the DVB signal, the release of the application software installed, system status (e.g. disk usage), CPU usage and announcements delivered by EUMETSAT.
* Regarding the acquisition sub-system, a report tool button will generate an archive containing log files[[15]](#footnote-15), screenshots saved by the user, command line outputs, configuration files related to the current status that would make user queries faster/simpler. The data collected shall be configurable via a configuration file that can be transmitted via EUMETCast.

### UPS

* Power failures are major issues in Africa for ensuring the flow of data and for maintaining the receiving, processing and storage systems, in good working condition. They happen at random. Their duration varies from seconds to hours. They come along with perturbations of the electrical supply, power sags, power surges, brownouts, line noise, high voltage spikes, frequency variations, switching transients, harmonic distortion, etc.
* The beneficiaries of the stations can or cannot have uninterruptible power supplies to manage cuts and maintain the quality of the powering.
* The Contractor shall provide an Uninterruptible Power Supply (UPS) capable to handle at least the specificities of the Acquisition sub system with regards to the power disturbances that might occur in the area where the reception system is located. The minimum runtime of the UPS should not be less than 60 minutes (8 hours being a must, like MESA Stations), while all the parts of the stations are served.
* The UPS must allow (via USB, network and appropriate software) for the proper shutdown of the three computers. The acquisition system must be able to continue functioning for one hour, the other computers will shut down within five minutes after the power cut.
* (Optional) In areas where power failures are regularly longer than 60 minutes, the contractor should propose a specific powering solution combining UPS and other power generators. The capacities of the proposed solutions should cope at least the point 4 above.

### Router

* Eight auto-sensing Gigabit Ethernet ports (or higher data rate) providing high performance information and resource sharing.

## Hardware Warranty

* The Contractor shall provide a 3-year hardware warranty from the acceptance (replace like for like) for all hardware delivered under this Contract. This HW warranty will include or consider the obsolescence period for the assembled parts, as specified by the Constructor.

## Software Evolution and Maintenance

* In the course of the project, the Third Parties (JRC and EUMETSAT) will provide regular upgrade[[16]](#footnote-16) of the eStation application and of the software of the Receiving Station (PC1). The Contract shall ensure:
  + - Support for the Validation of the upgrades before dissemination to the beneficiaries through the EUMETCast channel.
    - Integration of the new packages into the original .iso, in order to have an up-to-date medium for re-installation of the GMES&Africa stations (if/when needed).
* The Contractor shall provide a 1-year software warranty after each software upgrade under this Contract (including the initially deployed software).

## Helpdesk/Support Services

* In case of failure reported in one Station, the Contractor is fully responsible for providing on request any technical and operational means (e.g. hotline, email, technical support team for investigation, remote intervention, re-installation of factory configuration, repair or replacement, test, shipment, on-site intervention) to fix the issue and come back to normal operation.
  + - Support service hours: working day, between 8:00 and 17:00 (East-African time). The tenderer will have to consider the time lag between western Africa (UTC) and eastern Africa (UTC+3), the South western Indian Ocean countries (UTC+4).
    - Deadline for investigation/troubleshooting from request: 4 working days.
    - Deadline to overcome the problem from request: 7 working days
    - Deadline to fully fix the problem, including repair or replacement, from request: 14 working days, transportation period of equipment excluded
* The tenderer shall also propose and apply a set of preventive measures to reduce the risk of failure.
* This Helpdesk/Support services will be assured in link with the structure or platform AUC will establish for the maintenance of the PUMA, MESA and G&A Stations.

# Options

## Infrastructure works

* The contractor is requested to quote separately the on-site installation of the GMES ground station.
* The preliminary infrastructure works are out of the scope of this Contract (option). Nevertheless, the Contractor will be responsible for verifying their quality prior to installation and report to the beneficiaries and the Contracting authority.
* The on-site installation to be performed by the Contractor shall include (i) Antenna assembly and fixing, (ii) Antenna alignment, (iii) Making the Station operational.

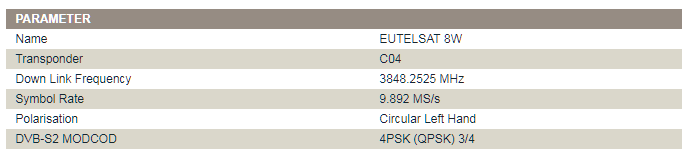
# Annex 1 – Antenna requirements

**Note: THE EUMETCAST AFRICA SERVICE has been moved FROM EUTELSAT 5 WEST TO EUTELSAT 8 WEST.**

The new service is based on DVB-S2 to take advantage of the better spectral efficiency of the broadcast.

## Transponders parameters

Since 1 May 2018 EUTELSAT 8W has been used for the new EUMETCast Africa Service. The following table shows the final downlink parameters.



## Antenna Size

The following diagrams give the availability plots for different reception antennas sizes:

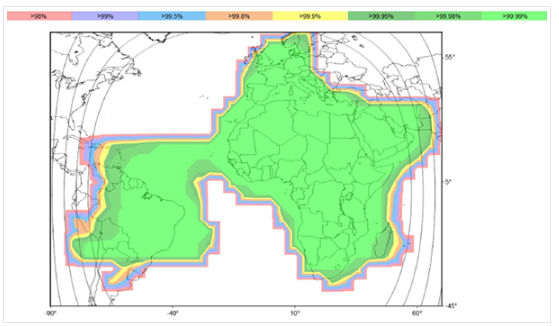


Figure 6 -2.4 m Antenna Reception coverage vs link availability

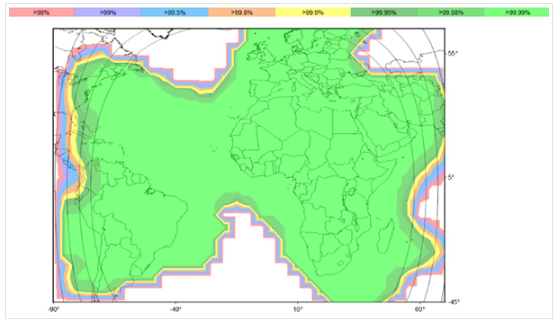


Figure 7 -3.7 m Antenna Reception coverage vs link availability

# Annex 2 - Changes/Improvements between MESA stations and G&A Stations. main points to consider.

| SPECIFICATIONS | | | |
| --- | --- | --- | --- |
| ITEM  NBER | Call for Offer MESA | PROPOSED by TPZ | Call for Offer GMES AND AFRICA |
| **1** | **ANTENNA** |  |  |
| **1.1** | **SATELLITE DISH, MOUNTING AND FEED** | **PARADIGM C-BAND ANTENNA MODELS 1252 (2,4M) AND 1374 (3,7M)** |  |
|  | (1) Country of origin (either ACP or EU MS) | EU |  |
|  | (2) The antenna sub-system shall allow to receive  data broadcasted on EUMETCast Africa (i.e. C- Band RxOnly Fix Earth Antenna) |  | Id. |
|  | Dish antenna diameter  Min 2.40 m for relevant geographical areas (See Annex 1)  Min 3.70 m for relevant geographical areas (See Annex 1)  Note: The antenna diameter shall be compliant with the minimum diameter specified in Table 4 in Annex 1 |  | Id. |
|  | **Electrical specifications** |  | |
|  | (4) Operating frequency: C-Band 3.635-4.200 MHz | 3.625-4.250 MHz | Id. |
|  | (5) Polarization: Left Hand Circular Polarization |  | Id. |
|  | (6) Voltage Axial Ration, (Circularly-Polarized) on axis C-Band: RX < 1.26 (2 dB) |  | Id. |
|  | (7) G/T for antenna diameter between 2,4m and 3m:  17.1 dB/K |  | Id. |
|  | (8) G/T for antenna diameter ~3,7m: 21.2 dB/K |  | Id. |
|  | (9) Antenna VSWR, receive: < 1.6 :1 | 1:3 1 (1.43:1 for 3.7 m) | Id. |
|  | (10) Side lobes: Intelsat standard H |  | Id. |
|  | **Mechanical specifications** |  | |
|  | (11) Antenna alignment: Manual |  | Id. |
|  | (12) Feed flange: adapted to waveguide WG11A/WR229/RG340 and to the LNB flange | CR229 (WR229) | Id. |
|  | (13) Antenna pointing range in Elevation: 15-85° |  | Id. |
|  | (14) Antenna pointing range in Azimuth: 360° |  | Id. |
|  | **Environmental specifications** |  | |
|  | (15) Wind loading – operational mode: 50 mph (80 km/h) | 80 km/h | Id. |
|  | (16) Wind loading – survival mode: 125 mph (200 km/h) in any position of operation | 200 km/h | Id. |
|  | (17) Temperature operational: -5° to +55° | -40°C- +60°C | Id. |
|  | (18) Rain operational: should stay operational under heavy rainfall, i.e. not collect water |  | Id. |
|  | **Other specifications** |  | |
|  | (19) Mount Ground fixings for concrete pad and/or Non-Penetrating Roof Mounting |  | Id. |
|  | (20) Lightning protection |  | Id. |
| **1.2** | **DIGITAL UNIVERSAL LNB** | NORSAT 8525 C-BAND LNB  A Pre-LNB C-Band Filter to be installed in locations where intereference was experienced in previous projects, this is be checked physically |  |
|  | (1) Country of origin (either ACP or EU MS) |  | Id |
|  | **Electrical specifications** |  | Id |
|  | (2) RF Input frequency: C-Band 3.635-4.200 GHz | 3.4 - 4.2 GHz | Id. |
|  | (3) Input VSWR: < 2:1 |  | Id. |
|  | (4) IF Output Frequency: Compliant with the DVB device typically 950 to 1750 MHz | Id | Id. |
|  | (5) Output VSWR: < 2.5: 1, 75 Ohms |  | Id. |
|  | (6) Gain: >55 dB | 64 dB | Id. |
|  | (7) Noise Temperature: <25K | 25 K | Id. |
|  | (8) Input DC Voltage Compliant with DVB device, typically +13 to 18V |  | Id. |
|  | **Mechanical specifications** |  | |
|  | (9) Input interface: adapted to waveguide WG11A/WR229/RG340 and to the flange of antenna feed |  | Id. |
|  | (10) Output interface: F-Type, 75 Ohms, Waterproof | 75 Ohms type F female | Id. |
|  | **Environmental specifications** |  |  |
|  | (11) Temperature operational-5° to +55° |  | Id. |
|  | (12) Relative Humidity: up to 100% condensation |  | Id. |
| **2** | **ACQUISITION SUBSYSTEM** |  | |
|  | (0) The acquisition sub-system shall allow receiving the DVB-S and DVB-S2 data flow broadcasted via EUMETCast Africa, record data and provide interface for data retrieval by processing sub-system. |  | Id |
| **2.1** | **PC1** | **DELL OPTIFLEX 9020** |  |
|  | (1) Country of origin (either ACP or EU MS) |  |  |
|  | (2) CPU 3.0 GHz or higher based on x86 architecture |  | Id.  Note: Although CPUs with a frequency lower than 2 GHz work in some environments, it is recommended to use state of the art CPUs, to provide margin for system administration and other parallel tasks |
|  | (3) RAM > 6 GByte |  | 8 GB or higher  The configuration of a RAM Disk is strongly recommended (details of this configuration are provided with the TELLICAST installation package). All tests performed at EUMETSAT at the full (12 Mbps) data rate resulted in significant data losses on EUMETCast Reception Stations not configured with a RAM Disk recommended size |
|  | (4) ROM: 2 identical Internal Disks > 500 GByte each (minimum) in a RAID 1 configuration |  | Min. 2 identical TByte each Internal Disks in a RAID 1 configuration  The RAID 1 configuration is for redundancy to ensure the system continues running in case 1 disk fails. It is expected that the user/help desk is informed by the system if one disk fails so that a new one can be sent and the failed one replaced. |
|  | (5) Fast and Reliable state of the art Disk Interface,  e.g. SATA |  | Id.  A non-blocking, I/O to disk(s) is of utmost importance, to be ensured by use of suitable/reliable drivers |
|  | (6) PCI Bus type compliant with the DVB card proposed. |  | PCI Bus type compliant with the DVB S2 card  Not applicable in the case of external DVB reception/routing devices connected to the network interface or via USB |
|  | (7) Gigabit Ethernet Card (or higher data rate) |  | Id  This interface is needed if data must be transferred to other computers, or as interface if a DVB Receiver/Router is used |
|  | (8) At least four USB Ports 2.0 and two USB Ports 3.0  Note: | 4 External USB 3.0 ports (2 front, 2 rear)  6 External USB 2.0 ports (2 front, 2 rear) | Id.  One of these two ports is used for the EUMETCast Key Unit (EKU). |
|  | (9) EKU. The EKU is used for the decryption of the DVB stream. Depending on the license agreement of the customer , it determines which date can be received . It is plugged in one of the USB ports of the DVB acquisition Workstation | I | Id |
|  | (10) Benchmark score with BAPCO solution higher than 150 for the scenario ratings SYSmark 2012 Preview Rating according to Full Disclosure Reports. |  | Id. |
|  | **ACCESSORIES** |  | |
|  | (11) One 4 Button Optical Scroll Mouse |  | Id. |
|  | (12) One QUERTY or AZERTY keyboard depending on the beneficiary country |  | Id. |
|  | (13) One 21" TFT screen, at least 1280x1024 resolution, <5ms Response, DVI |  | One 21 LCD screen 1920x1080 resolution, <5ms Response, DVI |
|  | **OTHER REQUIREMENTS** |  | |
|  | (14) Provision of a 3-year on-site warranty for the PC |  | Id.  from the FAT2 |
| **2.2** | **DVB RECEPTION DEVICE** |  |  |
|  | (1) Country of origin (either ACP or EU MS) |  |  |
|  | (2) DVB-S2 PCI board, router, USB device or similar | TECHNOTREND TT-BUDGET S2-4100 DVB-S/S2RECEIVER CARD. | Id  If a DVB router is selected, then the tenderer shall provide another NIC for the acquisition PCs (prime and backup) |
| **2.3** | **OPERATING SYSTEM** |  |  |
|  | Linux CentOS version 6 |  | Id  The Tenderer is invited to pay careful attention on the information delivered by EUMETSAT technical lab regarding the compatibility of the Linux distributions with the DVB reception system. |
|  | (2) OS maintained at least for the duration of the Contract |  | Id. |

# Section VIII.

# Sample Forms

|  |
| --- |
| Notes on the Sample Forms The Bidder shall complete and submit with its bid the **Bid Form** and **Price Schedules** pursuant to ITB Clause 9 and in accordance with the requirements included in the bidding documents.  The **Contract Form**, when it is finalised at the time of contract award, should incorporate any corrections or modifications to the accepted bid resulting from price corrections pursuant to ITB Clause 16.3 and GCC Clause 17, acceptable deviations (e.g., payment schedule pursuant to ITB Clause 26.5 (c)), spare parts pursuant to ITB Clause 26.3 (d), or quantity variations pursuant to ITB Clause 31. The Price Schedule and Schedule of Requirements deemed to form part of the contract should be modified accordingly.  The **Bank Guarantee Form for Advance Payment** should not be completed by the bidders at the time of their bid preparation. Only the successful Bidder will be required to provide performance security and bank guarantee for advance payment in accordance with one of the forms indicated herein or in another form acceptable to the Purchaser and pursuant to GCC Clause 7.3 and SCC 11, respectively.  The **Manufacturer’s Authorisation** form should be completed by the Manufacturer, as appropriate, pursuant to ITB Clause 13.3 (a). |

## Sample Forms

1. Bid Form and Price Schedules 64

3. Contract Form 70

5. Bank Guarantee Form for Advance Payment 72

6. Manufacturer’s Authorisation Form 73

1. Bid Form and Price Schedules

Date:

Procurement No:

*To: [name and address of Purchaser]*

Sir / Madam:

Having examined the bidding documents including Addenda Nos. *[insert numbers],* the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver *[description of goods and services]* in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our bid is accepted, we undertake to provide a performance security in the form, in the amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period specified in Clause 16.1 of the Bid Data Sheet and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name and address of agent |  | Amount and Currency |  | Purpose of Commission or gratuity |
|  |  |  |  |  |
|  |  |  |  |  |
| (if none, state “none”) | | | | |

Until a formal Contract is prepared and executed, this Bid, together with your written notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per ITB Clause 2 of the bidding documents.

Dated this \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ day of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 20\_\_\_\_\_\_.

*[signature] [in the capacity of]*

Duly authorised to sign Bid for and on behalf of

**Price Schedule for Goods Offered from Abroad**

Name of Bidder . Procurement No. \_\_\_\_\_\_\_\_\_. Page \_\_ of \_.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |  |
| Item | Description | Country of origin | Quantity | Unit priceCIF port or place of Delivery  (specify port or place)2 |  | Total dap price per item  (col. 4 x 6) |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 1. Currencies to be used in accordance with Clause 12 of the Instructions to Bidder.  2. Optional, but in accordance with Clause 11.2 (b) (ii) or (iii) of the Instructions to Bidders and the related provisions in the Bid Data Sheet. | | | | | | | |

Signature of Bidder

*Note:* In the case of discrepancy between the unit price and the total, prices shall be adjusted by the Purchaser in accordance with the provisions of Clause 24.2 of the Instructions to Bidders.

**Price Schedule for Goods Offered from within the Country Specified for Delivery**

Name of Bidder . Procurement No.. Page \_\_ of .

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| Item | Description | Country of origin | Quantity | Unit price1exwper item | Cost of local labour, raw material, and component2 | Total price exwper item  (cols. 4 x 5) | Unit prices1 per item final destination and unit price of other incidental services3 | Sales and other taxes to be exempted if Contract is awarded |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| 1. Currencies to be used in accordance with Clause 12 of the Instructions to Bidders. The prices in columns 5 to 8 shall exclude all customs duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the item or the customs duties and sales and other taxes paid on the previously imported item offered ex warehouse, ex showroom, or off-the-shelf. These factors should not be entered separately. The total costs of all such taxes and duties to be exempted for the African Union shall be entered in column 9.  2. Indicated as a percentage of the EXW price.  3. Optional and only when required in accordance with Clause 11.2 (a)(iii) and (iv) in the Instructions to Bidders and the related provisions in the Bid Data Sheet. | | | | | | | | |

Signature of Bidder

*Note:* In the case of discrepancy between the unit price and the total, prices shall be adjusted by the Purchaser in accordance with the provisions of Clause 24.2 of the Instructions to Bidders.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Price and Completion Schedule - Related Services | | | | | | | | | |
|  | | | | | Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  RFBNo: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Alternative No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Page N° \_\_\_\_\_\_ of \_\_\_\_\_\_ | |
| 2 | 3 | 4 | 5 | | | 6 | | |
| Description of Services (excludes inland transportation and other services required in the Purchaser’s country to convey the goods to their final destination) | Country of Origin | Delivery Date at place of Final destination | Quantity and physical unit | | | Unit price | | |
| [insert name of Services] | [insert country of origin of the Services] | [insert delivery date at place of final destination per Service] | [insert number of units to be supplied and name of the physical unit] | | | [insert unit price per item] | | |
|  |  |  |  | | |  | | |
|  |  |  |  | | |  | | |
|  |  |  |  | | |  | | |
|  |  |  |  | | |  | | |
|  |  |  |  | | |  | | |
|  | | | | Total Bid Price | | | |
| Name of Bidder *[insert complete name of Bidder]* Signature of Bidder *[signature of person signing the Bid]* Date *[insert date]* | | | | | | | | | |
|  | | | | | | | | | |

List of Goods and Delivery Schedule

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Line Item**  **N°** | **Description of Goods** | **Quantity** | **Physical unit** | **Final (Project Site) Destination as specified in BDS** | **Delivery (as per Incoterms) Date** | | |
| **Earliest Delivery Date** | **Latest Delivery Date** | **Bidder’s offered Delivery date [*to be provided by the bidder*]** |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |

### 2. Contract Form

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_\_\_\_\_\_ 20\_\_\_\_\_ between the African Union Commission [*or name of the AU organ]* (hereinafter called “the Purchaser”) of the one part and *[name of Supplier]* of *[city and country of Supplier]* (hereinafter called “the Supplier”) of the other part:

WHEREAS the Purchaser invited bids for certain goods and ancillary services, viz., *[brief description of goods and services]* and has accepted a bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement in the listed order of precedence, viz.:

(a) Agreement

(b) Special Conditions of Contract;

(c) General Conditions of Contract;

(d) Schedule of Requirements;

(e) Technical Specifications;

(f) Bid Form and the Price Schedule submitted by the Bidder;

(g) Purchaser’s Notification of Award, and

(h) any other document listed in the Special Conditions of Contract as forming part of the Contract.

3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract

4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed on the day and year first above written.

Signed, sealed, delivered by the (for the Purchaser)

Signed, sealed, delivered by the (for the Supplier)**4. Bank Guarantee Form for Advance Payment**

To: The Commission of the African Union

*{name of Contract}*

Sir / Madam:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause 16 of the General Conditions of Contract to provide for advance payment, *{name and address of Supplier}* (hereinafter called “the Supplier”) shall deposit with the Commission of the African Union (hereinafter called “the Purchaser) a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *{amount of guarantee in figures and words}*.

We, the *{bank or financial institution}*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the Purchaser on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *{amount of guarantee in figures and words}*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the Purchaser and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *{date}*.

Yours truly,

Signature and seal of the Guarantors

*{name of bank or financial institution}*

{Name and title of authorised signatory}

*{address}*

*{date}*

### 5. Manufacturer’s Authorisation Form

[See Clause 13.3 (a) of the Instructions to Bidders.]

To: The Commission of the African Union

WHEREAS *{name of the Manufacturer}* who are established and reputable manufacturers of *{name and/or description of the goods}* having factories at *{address of factory}.*

do hereby authorise *{name and address of Agent}* to submit a bid, and subsequently negotiate and sign the Contract with you against Procurement No. *{reference of the Invitation to Bid}* for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 15 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

*{signature for and on behalf of Manufacturer}*

{Name and title of authorised signatory}

*[Note: This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.]*

1. *In this context, any action taken by a bidder, supplier, contractor, or a sub-contractor to influence the procurement process or contract execution for undue advantage is improper.* [↑](#footnote-ref-1)
2. *“another party” refers to an officer of the AU acting in relation to the procurement process or contract execution. In this context, “officer of the AU” includes staff and employees of other organisations taking or reviewing procurement decisions.* [↑](#footnote-ref-2)
3. *a “party” refers to any officer of the AU; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.* [↑](#footnote-ref-3)
4. *“parties” refers to any participants in the procurement process (including officers of the AU) attempting to establish bid prices at artificial, non competitive levels.* [↑](#footnote-ref-4)
5. *a “party” refers to any participant in the procurement process or contract execution.* [↑](#footnote-ref-5)
6. *“another party” refers to an officer of the AU acting in relation to the procurement process or contract execution. In this context, “officer of the AU” includes staff and employees of other organisations taking or reviewing procurement decisions.* [↑](#footnote-ref-6)
7. *a “party” refers to any officer of the AU; the terms “benefit” and “obligation” relate to the procurement process or contract execution; and the “act or omission” is intended to influence the procurement process or contract execution.* [↑](#footnote-ref-7)
8. *“parties” refers to any participants in the procurement process (including officers of the AU) attempting to establish bid prices at artificial, non competitive levels.* [↑](#footnote-ref-8)
9. *a “party” refers to any participant in the procurement process or contract execution.* [↑](#footnote-ref-9)
10. From a technical point of view, it means that at CentOS menu of the installation the options for installing on MESA computers should be presented. [↑](#footnote-ref-10)
11. A list of free application can be found, e.g., at: https://www.lifewire.com/free-remote-access-software-tools-2625161 [↑](#footnote-ref-11)
12. The FTP push function shall let the end-users to push any type of Tellicast received data to other remote machines (for example based on regular expressions, friendly names added by end-user). [↑](#footnote-ref-12)
13. PC2 will be a fallback for reception [↑](#footnote-ref-13)
14. SNAP must be part of the standard installation (not optional software). [↑](#footnote-ref-14)
15. NB A similar functionality already exists as part of the e-Station [↑](#footnote-ref-15)
16. Upgrades will be generated with an indicative frequency of 12 months. A maximum of 3 upgrades is foreseen for the duration of the Contract. [↑](#footnote-ref-16)